CGLE- Combined Graduate Level Tier-I, 2018 Examination

Roll No. www.exammix.com
Registration No. ExamMix
Name Exam Mix
Test Venue
Test Time 10:00 AM - 11:00 AM
Test Date 04/06/2019

Section: General Intelligence and Reasoning

Q.1 If DIG is coded as 25 and CUT is coded as 49, then how will KICK be coded as?

Ans
1. 43
2. 39
3. 41
4. 34

Question ID: 98958012987
Status: Answered
Chosen Option: 2

Q.2 Select the option in which the given figure is embedded.

Rotation not allowed

Ans
1.
2.
3.
4.

Question ID: 98958013001
Status: Answered
Chosen Option: 4

Q.3
A paper is folded and cut as shown below. How will it appear when unfolded?

Ans

Select the figure that will come next in the following figure series.

Ans

Question ID: 98958013003
Status: Marked For Review
Chosen Option: 4
Q.5  Select the set in which the numbers are related in the same way as are the numbers of the following set.

(9, 35, 16)

Ans

1. (16, 50, 64)
2. (25, 30, 4)
3. (36, 55, 25)
4. (81, 65, 36)

Question ID: 98958012995
Status: Answered
Chosen Option: 4

Q.6  Select the set in which the numbers are related in the same way as are the numbers of the following set.

(3, 24, 4)

Ans

1. (6, 35, 11)
2. (2, 30, 8)
3. (12, 84, 4)
4. (4, 72, 9)

Question ID: 98958012994
Status: Answered
Chosen Option: 3

Q.7  Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans

1. CFIL
2. GHIJ
3. MOQS
4. PSUX

Question ID: 98958012982
Status: Answered
Chosen Option: 4
Q.8 Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

Ans

1. 126  
2. 189  
3. 254  
4. 217

Question ID: 98958012993  
Status: Answered  
Chosen Option: 3

Q.9 In a family of eight persons, there are two couples, each having two children. B and D are brothers and each has two children. E is the aunt of A, who is the cousin brother of C. C is the sister of H, who is the cousin brother of G. F is the wife of B. How is H related to F?

Ans

1. Nephew  
2. Son-in-law  
3. Son  
4. Brother-in-law

Question ID: 98958012989  
Status: Answered  
Chosen Option: 1

Q.10 Arrange the following words in a logical and meaningful order:

1. Buy  
2. Dinner  
3. Market  
4. Vegetables  
5. Cook

Ans

1. 1, 4, 5, 3, 2  
2. 3, 5, 4, 1, 2  
3. 4, 5, 3, 1, 2  
4. 3, 4, 1, 5, 2

Question ID: 98958012981  
Status: Answered  
Chosen Option: 4

Q.11
Select the Venn diagram that best illustrates the relationship between the following classes.

Uncle, Relatives, Rich

Ans

1. 
2. 
3. 
4.

Q.12 Two different positions of the same dice are shown. Which number will be at the top if 6 is at the bottom?

Ans

1. 4
2. 3
3. 5
4. 2

Q.13 ‘Lawyer’ is related to ‘Justice’ in the same way as ‘Arbitrator’ is related to ‘________’.

Ans

1. Judgment
2. Injustice
3. Settlement
4. Communication
Q.14 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Ans

✓ 1. Groundnut
✗ 2. Mustard
✗ 3. Cumin
✗ 4. Fennel

Question ID: 98958012983
Status: Answered
Chosen Option: 1

Q.15 Two statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
All rulers are machines.
Some machines are costly items.

Conclusions:
I. Some rulers are costly items.
II. Some costly items are machines.
III. All costly items are machines.

Ans

✗ 1. Both conclusions II and III follow
✗ 2. Both conclusions I and II follow
✓ 3. Only conclusion II follows
✗ 4. Only conclusion I follows

Question ID: 98958012990
Status: Answered
Chosen Option: 3

Q.16 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster:

CEGI : AGEK = DFHU : ?

Ans

✗ 1. CHFI
✗ 2. CGIK
✓ 3. BHFL
✓ 4. BDJK

Question ID: 98958012980
Status: Answered
Chosen Option: 3

Q.17
Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

b_bab_bc_abbb_ba_b

Ans
1. cbbac
2. cbabc
3. cbbbc
4. bcbbab

**Question ID**: 98958012988
Status: **Answered**
Chosen Option: 3

---

### Q.18
Which number will replace the question mark (?) in the following series?

3, 7, 16, 35, ?, 153

Ans
1. 84
2. 74
3. 78
4. 63

**Question ID**: 98958012991
Status: **Answered**
Chosen Option: 2

---

### Q.19
In a code language, VICTORY is written as CIVSYRO. How will TRAITOR be written as in that language?

Ans
1. RATHORT
2. RTAJORT
3. ARTJOTR
4. ARTHROT

**Question ID**: 98958012986
Status: **Answered**
Chosen Option: 4

---

### Q.20
Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair:

36 : 84

Ans
1. 27 : 63
2. 21 : 51
3. 57 : 135
4. 45 : 95

**Question ID**: 98958012992
Status: **Answered**
Chosen Option: 1
Q.21 ₹1,875 is divided among A, B and C in such a way that A’s share is half of the combined share of B and C, and B’s share is one-fourth of the combined share of A and C. By what amount is C’s share more than that of A?

Ans

1. ₹500
2. ₹225
3. ₹250
4. ₹200

Question ID: 98958012997
Status: Answered
Chosen Option: 3

Q.22 Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Book: Thesaurus

Ans

1. Tree: Forest
2. Reptile: Python
3. Furniture: Wood
4. Tennis: Ball

Question ID: 98958012985
Status: Answered
Chosen Option: 4

Q.23 Which two signs should be interchanged in the following equation to make it correct?

$$12 - 8 + 12 \times 9 \div 3 = 9$$

Ans

1. + and ÷
2. + and ×
3. − and ÷
4. + and −

Question ID: 98958012996
Status: Answered
Chosen Option: 1

Q.24 How many squares are there in the following figure?

Ans

1. 12
Q.25 Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

Ans

1. 
2. 
3. 
4. 

Q.1 Dance, performed by Buddhists to ward off evil spirits, is a dance form of Himachal Pradesh.


Q.2 The Musi and Bhima are tributaries of the river ______.


Q.3 The Malimath Committee Report deals with:
Q.4 Who attacked and looted the famous Somnath temple in 1026 AD?

Ans

1. Muhammad Ghori ✔
2. Mahmud of Ghazni
3. Nadir Shah
4. Genghis Khan

Question ID: 98958014086
Status: Answered
Chosen Option: 3

Q.5 Which country was the first to implement Goods and Services Tax (GST)?

Ans

1. France ✔
2. USA
3. Germany
4. Canada

Question ID: 98958014076
Status: Answered
Chosen Option: 1

Q.6 Which of the following is mined in the Badampahar mines of Odisha?

Ans

1. Azurite
2. Dolomite
3. Bauxite
4. Hematite

Question ID: 98958014084
Status: Not Answered
Chosen Option: --

Q.7 Sundari, a well known species of trees, is found in:

Ans

1. tropical rainforests ✔
2. Himalayan mountains
3. tropical deciduous forests
4. mangrove forests

Question ID: 98958014085
Status: Not Answered
Chosen Option: --
Q.8 The Tata Iron and Steel company (TISCO) was established by Dorabji Tata in:

**Answer:**
- 1. 1919
- 2. 1913
- 3. 1907
- 4. 1911

**Question ID:** 98958014077  
**Status:** Answered  
**Chosen Option:** 3

Q.9 Who was the first female Director General of Police in Puducherry?

**Answer:**
- 1. Aswathy Tonge
- 2. Kanchan Choudhary
- 3. Kiran Bedi
- 4. Sundari Nanda

**Question ID:** 98958014091  
**Status:** Not Answered  
**Chosen Option:** --

Q.10 Which of the following elements is a metalloid?

**Answer:**
- 1. Tin
- 2. Bismuth
- 3. Silicon
- 4. Phosphorus

**Question ID:** 98958014081  
**Status:** Answered  
**Chosen Option:** 2

Q.11 Methyl propane is an isomer of:

**Answer:**
- 1. n-hexane
- 2. n-butane
- 3. n-propane
- 4. n-pentane

**Question ID:** 98958014078  
**Status:** Answered  
**Chosen Option:** 2

Q.12 According to The Economist Intelligence Unit report 'Worldwide Cost of Living Survey 2019', which of the following is NOT one of the three cheapest cities in India?

**Answer:**
- 1. Mumbai
- 2. Bengaluru
- 3. New Delhi
- 4. Chennai

**Question ID:** 98958014097  
**Status:** Answered
Q.13 Which of the following places was ruled by the Wadiyar dynasty?

Ans  
1. Mysore  ✔️
2. Guwahati  ❌
3. Jabalpur  ❌
4. Patna  ❌

Question ID: 98958014069  
Status: Not Answered  
Chosen Option: 1

Q.14 Name the first ever judge of the Supreme Court against whom the motion of impeachment was introduced into Parliament in independent India.

Ans  
1. Justice ViraSwami  ❌
2. Justice Ramaswami  ✔️
3. Justice Mahajan  ❌
4. Justice Subba Rao  ❌

Question ID: 98958014092  
Status: Not Answered  
Chosen Option: --

Q.15 In March 2019, ________ was sworn in as the new chief minister of Goa, following the demise of Manohar Parrikar.

Ans  
1. Vasundhara Raje  ❌
2. H D Kumaraswamy  ❌
3. Ashok Gehlot  ❌
4. Pramod Sawant  ✔️

Question ID: 98958014096  
Status: Answered  
Chosen Option: --

Q.16 J J Thomson received the Nobel Prize in Physics for the discovery of _____.

Ans  
1. protons  ❌
2. electrons  ✔️
3. neutrons  ❌
4. positrons  ❌

Question ID: 98958014080  
Status: Answered  
Chosen Option: 4

Q.17 Which queen died fighting Mughal armies while defending Garha Katanga in 1564?

Ans  
1. Rani Avantibai  ❌
2. Rani Rudrambara  ✔️
3. Rani Durgavati  ❌
4. Rani Ahilyabai  ❌

Question ID: 98958014093  
Status: Answered  
Chosen Option: 2
Q.18 Which gas in its solid state is also known as dry ice?

Ans

1. Nitrogen
2. Carbon dioxide
3. Oxygen
4. Hydrogen

Q.19 The Olympic Council of Asia (OCA) has decided to reintroduce _____ in the 2022 Asian Games to be held at Hangzhou, China after it was dropped in 2018.

Ans

1. fencing
2. cricket
3. soccer
4. volleyball

Q.20 The property of catenation is predominant in_______.

Ans

1. sulphur
2. nitrogen
3. silicon
4. carbon

Q.21 'Thoda' a sport dance belongs to which of the following states?

Ans

1. Sikkim
2. Andhra Pradesh
3. Haryana
4. Himachal Pradesh

Q.22 The lone gold medal for India was won by __________ at the 38th GeeBee Boxing Tournament held at Helsinki, Finland.

Ans

1. Kavinder Singh Bisht
2. Naveen Kumar
Q.23 The ____ edition of the India-Indonesia coordinated patrol (IND-INDO CORPAT) held from 19 March to 4th April 2019 was inaugurated at Port Blair, Andaman and Nicobar Islands.

Ans

1. 23rd
2. 42nd
3. 45th
4. 33rd

Q.24 ____ is the founder of Facebook.

Ans

1. Mark Zuckerberg
2. Brian Acton
3. Jimmy Wales
4. Larry Page

Q.25 The Indian National Association was established in 1876 by ____ in Calcutta.

Ans

1. Badruddin Tyabji
2. V K Chiplunkar
3. Anand Mohan Bose
4. Sisir Kumar Ghosh

Section: Quantitative Aptitude

Q.1 A circle is inscribed in a triangle ABC. It touches the sides AB, BC and AC at the points R, P and Q respectively. If AQ = 4.5 cm, PC = 5.5 cm and BR = 6 cm, then the perimeter of the triangle ABC is:

Ans

1. 30.5 cm
2. 28 cm
3. 32 cm
4. 26.5 cm
Q.2 The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Years</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
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</thead>
<tbody>
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</tr>
</tbody>
</table>

If the data related to the production of cars of type E is represented by a pie chart, then the central angle of the sector representing the data of production of cars in 2013 will be:

Ans 1. 102°
2. 84°
3. 70°
4. 80°

Q.3 A truck covers a distance of 384 km at a certain speed. If the speed is decreased by 16 km/h, it will take 2 hours more to cover the same distance. 75% of its original speed (in km/h) is:

Ans 1. 45
2. 54
3. 48
4. 42

Q.4 The ratio of the ages of A and B, four years ago, was 4 : 5. Eight years from now, the ratio of the ages of A and B will be 11 : 13. What is the sum of their present ages?

Ans 1. 80 years
2. 96 years
3. 72 years
4. 76 years

Q.5 In ΔABC, F and E are the points on sides AB and AC, respectively, such that FE || BC and FE divides the triangle into two parts of equal area. If AD ⊥ BC and AD intersects FE at O, then OD : AG = ?

Ans 1. \(\sqrt{2} : 1\)
2. \((\sqrt{2} - 1) : 1\)
3. \(2\sqrt{2} : 1\)
4. \((\sqrt{2} + 1) : 1\)
Q.6 If \(4 - 2\sin^2\theta - 5\cos\theta = 0, 0^\circ < \theta < 90^\circ\), then the value of \(\sin\theta + \tan\theta\) is:

\[
\begin{align*}
1. & \quad \frac{3\sqrt{2}}{2} \\
2. & \quad \frac{3\sqrt{3}}{2} \\
3. & \quad 3\sqrt{2} \\
4. & \quad 2\sqrt{3}
\end{align*}
\]

Ans

\[\checkmark \, 2. \quad \frac{3\sqrt{3}}{2}\]

\[\times \, 1. \quad \frac{3\sqrt{2}}{2}\]

\[\times \, 3. \quad 3\sqrt{2}\]

\[\times \, 4. \quad 2\sqrt{3}\]

---

Q.7 The table shows the production of different types of cars (in thousands).

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</table>

What is the ratio of the total production of cars of type A in 2014 and type C in 2013 taken together to the total production of cars of type B in 2016 and type E in 2015 taken together?

Ans

\[\checkmark \, 1. \quad 12 : 13\]

\[\times \, 2. \quad 11 : 12\]

\[\times \, 3. \quad 10 : 11\]

\[\times \, 4. \quad 12 : 11\]

---

Q.8 If decreasing 120 by \(x\%\) gives the same result as increasing 40 by \(x\%\), then \(x\%\) of 210 is what percent less than 

\((x + 20)\%\) of 180?

\[x = \frac{1}{3} \frac{33}{3}\]

\[\times \, 2. \quad 18\]

\[\checkmark \, 3. \quad 20\]

\[\times \, 4. \quad 20\]

---

Q.9 If \((5\sqrt{3}x^2 - 81\sqrt{3}y^2) + (\sqrt{5}x - 3\sqrt{3}y) = (Ax^2 + By^2 + Cxy)\), then the value of \((6A + B - \sqrt{15}C)\) is:

\[\times \, 1. \quad 10\]

Ans
2. 9
3. 15
4. 12

Question ID: 98958013119
Status: Answered
Chosen Option: 4

Q.10 If a nine-digit number 985x3678y is divisible by 72, then the value of \((4x - 3y)\) is:

Ans
1. 5
2. 4
3. 6
4. 3

Question ID: 98958013108
Status: Answered
Chosen Option: 2

Q.11 If \(\sin \theta = \frac{p^2-1}{p^2+1}\), then \(\cos \theta\) is equal to:

Ans
1. \(\frac{2p}{1+p^2}\)
2. \(\frac{p}{p^2-1}\)
3. \(\frac{p}{1+p^2}\)
4. \(\frac{2p}{p^2-1}\)

Question ID: 98958013127
Status: Answered
Chosen Option: 1

Q.12 The ratio of the efficiencies of A, B and C is 3 : 5 : 3. Working together, they can complete a work in 27 days. B and C together can complete \(\frac{4}{7}\)th part of that work in:

Ans
1. 27 days
2. 15 days
3. \(17 \frac{1}{7}\) days
4. 24 days

Question ID: 98958013117
Status: Answered
Chosen Option: 2

Q.13 The average of twelve numbers is 42. The average of the last five numbers is 46, and that of the first four numbers is 44. The 6th number is 6 less than the fifth and 5 less than the 7th number. The average of the 5th and the 7th numbers is:

Ans
1. 44
2. 44.5
Q. 14
If \( x + y + z = 19, x^2 + y^2 + z^2 = 133 \) and \( xz = y^2 \), then the difference between \( z \) and \( x \) is:

Ans
1. 5
2. 3
3. 6
4. 4

Question ID: 98958013110
Status: Answered
Chosen Option: 2

Q. 15
\[
\frac{2 + \tan^2 \theta + \cot^2 \theta}{\sec \theta \cosec \theta}
\]
is equal to:

Ans
1. \( \cot \theta \)
2. \( \cos \theta \sin \theta \)
3. \( \sec \theta \cosec \theta \)
4. \( \tan \theta \)

Question ID: 98958013121
Status: Answered
Chosen Option: 1

Q. 16
In a circle of radius 10 cm, with centre \( O \), \( PQ \) and \( PR \) are two chords each of length 12 cm. \( PO \) intersects chord \( QR \) at the points \( S \). The length of \( OS \) is:

Ans
1. 2.8 cm
2. 2.5 cm
3. 3.2 cm
4. 3 cm

Question ID: 98958013123
Status: Not Answered
Chosen Option: --

Q. 17
A sum amounts to \( ₹8,038 \) in 3 years and to \( ₹12,042 \) in 6 years at a certain rate percent per annum, when the interest is compounded yearly. The sum is:

Ans
1. \( ₹5,352 \)
2. \( ₹5,235 \)
3. \( ₹5,325 \)
4. \( ₹5,253 \)

Question ID: 98958013115
Status: Answered
Q.18  The value of $2 \times 3 \div 2$ of $3 \times 2 \div (4 + 4 \times 4 \div 4 \text{ of } 4 - 4 \div 4 \times 4)$ is:

Ans  
1. 8  
2. 1  
3. 4  
4. 2

Q.19  After giving two successive discounts, each of x%, on the marked price of an article, total discount is Rs.259.20. If the marked price of the article is Rs.720, then the value of x is:

Ans  
1. 18  
2. 24  
3. 20  
4. 25

Q.20  A solid cube of volume 13824 cm$^3$ is cut into 8 cubes of equal volumes. The ratio of the surface area of the original cube to the sum of the surface areas of three of the smaller cubes is:

Ans  
1. 2 : 3  
2. 4 : 3  
3. 8 : 3  
4. 2 : 1

Q.21  The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
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<th>2012</th>
<th>2013</th>
<th>2014</th>
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</table>

The total production of type B cars in 2012, 2014 and 2015 taken together is approximately what percent more than the total production of type A cars in 2013 and 2016 taken together?

Ans  
1. 31.9  
2. 33.2  
3. 36.3  
4. 34.4
**Q.22** The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Years</th>
<th>Cars</th>
<th>2012</th>
<th>2013</th>
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The number of years, in which the production of cars of type B is less than the average production of type D cars over the years, is:

**Ans**

- 1. 4
- 2. 1
- 3. 3
- 4. 2

**Question ID:** 98958013131  
**Status:** Answered  
**Chosen Option:** 4

---

**Q.23** A person sold an article at a loss of 15%. Had he sold it for ₹30.60 more, he would have gained 9%. To gain 10%, he should have sold it for:

**Ans**

- 1. ₹140.25
- 2. ₹132
- 3. ₹130
- 4. ₹128.40

**Question ID:** 98958013113  
**Status:** Answered  
**Chosen Option:** 1

---

**Q.24** In a $\triangle ABC$, the bisectors of $\angle B$ and $\angle C$ meet at point O, inside the triangle. If $\angle BOC = 122^\circ$, then the measure of $\angle A$ is:

**Ans**

- 1. 64$^\circ$
- 2. 62$^\circ$
- 3. 72$^\circ$
- 4. 68$^\circ$

**Question ID:** 98958013124  
**Status:** Answered  
**Chosen Option:** 1

---

**Q.25** If $x^4 + x^{-4} = 194$, $x > 0$, then the value of $(x - 2)^2$ is:

**Ans**

- 1. 1
- 2. 6
- 3. 2
- 4. 3

**Question ID:** 98958013120  
**Status:** Answered  
**Chosen Option:** 4
Section: English Comprehension

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Seoul's city government is asking people for help to correct poorly translated street signs - with prizes on offer for (1) _______ who spot the most errors. It's running (2) _______ two-week campaign calling on Koreans and foreigners (3) _______ to keep their eyes peeled for (4) _______ in English, Japanese and Chinese text, the Korea Times reports. There's a (5) _______ focus on public transport signs, maps and information signs at historic sites, as part of a drive to improve the experience of foreign tourists in the South Korean capital.

SubQuestion No : 1

Q.1 Select the most appropriate option for blank No. 1.

Ans

1. this

2. those

3. that

4. these

SubQuestion No : 2

Q.2 Select the most appropriate option for blank No. 2.

Ans

1. one

2. the

3. an

4. a

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Seoul's city government is asking people for help to correct poorly translated street signs - with prizes on offer for (1) _______ who spot the most errors. It's running (2) _______ two-week campaign calling on Koreans and foreigners (3) _______ to keep their eyes peeled for (4) _______ in English, Japanese and Chinese text, the Korea Times reports. There's a (5) _______ focus on public transport signs, maps and information signs at historic sites, as part of a drive to improve the experience of foreign tourists in the South Korean capital.

Question ID : 98958012415
Status : Answered
Chosen Option : 2

Question ID : 98958012416
Status : Answered
Chosen Option : 4
Q.3 Select the most appropriate option for blank No. 3.
Ans

1. same
2. similarly
3. alike
4. likely

Question ID: 98958012417
Status: Answered
Chosen Option: 3

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Seoul's city government is asking people for help to correct poorly translated street signs - with prizes on offer for (1) ______ who spot the most errors. It's running (2) ______ two-week campaign calling on Koreans and foreigners (3) ______ to keep their eyes peeled for (4) ______ in English, Japanese and Chinese text, the Korea Times reports. There's a (5) ______ focus on public transport signs, maps and information signs at historic sites, as part of a drive to improve the experience of foreign tourists in the South Korean capital.

Q.4 Select the most appropriate option for blank No. 4.
Ans

1. guffaws
2. blunder
3. oversight
4. mistakes

Question ID: 98958012418
Status: Answered
Chosen Option: 4

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Seoul's city government is asking people for help to correct poorly translated street signs - with prizes on offer for (1) ______ who spot the most errors. It's running (2) ______ two-week campaign calling on Koreans and foreigners (3) ______ to keep their eyes peeled for (4) ______ in English, Japanese and Chinese text, the Korea Times reports. There's a (5) ______ focus on public transport signs, maps and information signs at historic sites, as part of a drive to improve the experience of foreign tourists in the South Korean capital.

Q.5 Select the most appropriate option for blank No. 5.
Ans

1. particular
2. important
3. signifying
4. meticulous

Question ID: 98958012419
Status: Answered
Chosen Option: 3
Q.6 Select the synonym of the given word.

COERC

Ans

    1. enchant
    2. pressurize
    3. cajole
    4. leave

Question ID: 98958012423
Status: Answered
Chosen Option: 2

Q.7 In the sentence identify the segment which contains the grammatical error.

We had to decline several orders in case that the production was held up due to labour strike.

Ans

    1. in case that
    2. the production was held up
    3. due to labour strike
    4. We had to decline

Question ID: 98958012409
Status: Answered
Chosen Option: 2

Q.8 Select the most appropriate word to fill in the blank.

His company has the _____ of producing the best cricket balls in the country.

Ans

    1. opinion
    2. brand
    3. reputation
    4. position

Question ID: 98958012433
Status: Answered
Chosen Option: 3

Q.9 Select the antonym of the given word.

EXPANSION

Ans

    1. inflation
    2. augmentation
    3. extension
    4. compression

Question ID: 98958012425
Status: Answered
Chosen Option: 4

Q.10 Select the antonym of the given word.

SCARCE

Ans

    1. scanty
2. few
3. seldom
4. plentiful

Question ID: 98958012424
Status: Answered
Chosen Option: 4

Q. 11 Select the wrongly spelt word.
Ans
✓ 1. calander
✓ 2. career
✓ 3. callous
✓ 4. carriage

Question ID: 98958012431
Status: Answered
Chosen Option: 2

Q. 12 Select the most appropriate word to fill in the blank.
Around sixty bands in colourful ______ took part in the Notting Hill Carnival.
Ans
1. clothings
✓ 2. costumes
✓ 3. apparels
✓ 4. dressing

Question ID: 98958012432
Status: Answered
Chosen Option: 2

Q. 13 Select the word which means the same as the group of words given.
A person, animal or plant much below the usual height
Ans
1. wizard
2. dwarf
✓ 3. creature
✓ 4. witch

Question ID: 98958012428
Status: Answered
Chosen Option: 2

Q. 14 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.
The workers of this textile factory demand higher wages for a long time.
Ans
✓ 1. have been demanding higher wages
2. demanded higher wages
3. No improvement
4. has demanded higher wages
Q.15 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

If you park your car here, the traffic police **has fined you**.

**Ans**

1. will fine you  
2. No improvement  
3. fine you  
4. fined you

Q.16 Given below are four jumbled sentences. Select the option that gives their correct order.

A. The cafe’s owner says he’s interested in conservation, and hopes customers will realise the animals are worth saving, even though they often have a bad reputation.  
B. None of them are venomous, meaning customers can get up close and personal with the reptiles.  
C. Here you sip your drink in the company of 35 snakes.  
D. This cafe, which has just opened in Tokyo, is not for the faint-hearted.

**Ans**

1. DBCA  
2. DCBA  
3. ABCD  
4. ABDC

Q.17 Given below are four jumbled sentences. Select the option that gives their correct order.

A. An environmental group performed a necropsy on the animal and found about 40 kilograms of plastic, including grocery bags and rice sacks.  
B. A 4.7-metre long whale died on Saturday in Phillippines where it was stranded a day earlier.  
C. "It’s very disgusting and heartbreaking,” he said. “We’ve done necropsies on 61 dolphins and whales in the last 10 years and this is one of the biggest amounts of plastic we’ve seen.”  
D. “The animal died from starvation and was unable to eat because of the trash filling its stomach,” said Darrell Blatchley, Director of D' Bone Collector Museum Inc..

**Ans**

1. ABCD  
2. DABC  
3. BADC  
4. BACD

Q.18 Select the most appropriate meaning of the given idiom.
To play ducks and drakes
Ans

1. to use recklessly ✓
2. to change places x
3. to be friendly ✓
4. to act cleverly x

Q.19 In the sentence identify the segment which contains the grammatical error.

Cyclone Idai killed at least 157 people in Zimbabwe and Mozambique although it tore across Southern Africa.
Ans

1. Cyclone Idai killed x
2. it tore across ✓
3. although ✓
4. at least 157 people x

Q.20 Select the correct active form of the given sentence.

Every passing vehicle was being thoroughly checked by the guards.
Ans

1. The guards were thoroughly checking every passing vehicle. ✓
2. The guards have thoroughly checked every passing vehicle. x
3. Every passing vehicle were thoroughly checking the guards. x
4. The guards have been thoroughly checking every passing vehicle. x

Q.21 Select the wrongly spelt word.
Ans

1. exploit ✓
2. explicit x
3. expire x
4. explode x

Q.22 Select the synonym of the given word.

CHRONIC
Ans

1. ordinary x
2. persistent ✓
3. common x
Q.23 Select the most appropriate meaning of the given idiom.

At daggers drawn
Ans

1. deceiving somebody
2. without hope
3. friendly with each other
4. bitterly hostile

Question ID: 98958012422
Status: Answered
Chosen Option: 2

Q.24 Select the word which means the same as the group of words given.

A student who idly or without excuse absents himself/herself from school
Ans

1. truant
2. vagrant
3. itinerant
4. migrant

Question ID: 98958012429
Status: Answered
Chosen Option: 4

Q.25 Select the correct passive form of the given sentence.

Do not buy medicines without the doctor's prescription.
Ans

1. Medicines should not be bought without the doctor's prescription.
2. Medicines need not be bought without the doctor's prescription
3. Medicines might not be bought without the doctor's prescription
4. Medicines could not be bought without the doctor's prescription

Question ID: 98958012410
Status: Answered
Chosen Option: 1
Q.1 Which two signs should be interchanged in the following equation to make it correct?

18 + 6 - 6 ÷ 3 × 3 = 6

Ans:

1. + and –
2. + and +
3. – and +
4. + and ×

Question ID: 98958013028
Status: Answered
Chosen Option: 2

Q.2 Arrange the following words in a logical and meaningful order:

1. Medicine
2. Diagnosis
3. Prescription
4. Illness
5. Recovery
6. Doctor

Ans:

4. 6, 2, 3, 1, 5
2. 4, 6, 1, 3, 2, 5
3. 2, 6, 4, 1, 3, 5
4. 4, 6, 3, 2, 1, 5

Question ID: 98958013013
Status: Answered
Chosen Option: 1

Q.3 Select the figure that will come next in the following figure series.

Ans:

Question ID: 98958013014
Status: Answered
Chosen Option: 1
Q.4  Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

Ans

1. 12
2. 14
3. 56
4. 30

Q.5  If BACK is coded as 11312 and CAKE is coded as 51113, then how will MADE be coded as?

Ans

1. 51413
2. 54113
3. 31145
4. 13145

Q.6  Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.

Ans

1. 8 : 248
2. 5 : 62
3. 10 : 160
4. 6 : 108
Q.7 Select the Venn diagram that best illustrates the relationship between the following classes.
Parents, Rich Persons, Farmers

Ans

1. X

2. ✔

3. X

4. X

Question ID: 98958013036
Status: Answered
Chosen Option: 3

Q.8 In a code language, TEMPLE is written as DKOLDS. How will WORSHIP be written as in that language?

Ans

1. ✔ OHGRQNV

2. X VNOQGHOR

3. X JITSPX

4. X OGHQRVN

Question ID: 98958013018
Status: Answered
Chosen Option: 3

Q.9 P is the father of Q and the grandfather of R, who is the brother of S. S's mother, T, is married to V. T is the sister of Q. How is V related to P?

Ans

1. X Nephew

2. X Brother-in-law

3. X Son

4. ✔ Son-in-law

Question ID: 98958013021
Status: Answered
Chosen Option: 4

Q.10 Which number will replace the question mark (?) in the following series?

2, 5, 11, 23, 44, ?

Ans

1. ✔ 77

2. X 51

3. X 63
4. 66

Q.11 ‘Action’ is related to ‘Reaction’ in the same way as ‘Stimulus’ is related to ‘_____’.

Ans

- 1. Reception
- 2. Vision
- 3. Response
- 4. Feedback

Q.12 Select the option in which the given figure is embedded.

Ans

- 1. 
- 2. 
- 3. 
- 4. 

Q.13 Two different positions of the same dice are shown. Which number will be at the top if 6 is at the bottom?

Ans

- 1. 
- 2. 
- 3. 
- 4. 

Question ID: 98958013023
Status: Answered
Chosen Option: 1

Question ID: 98958013016
Status: Answered
Chosen Option: 3

Question ID: 98958013033
Status: Answered
Chosen Option: 1
Q.14  Three of the following four letter-clusters are alike in a certain way and one is different. Select the odd one out.

Ans

1. DGEF
2. HNLJ
3. TWUV
4. MSOQ

Question ID: 98958013032
Status: Answered
Chosen Option: 2

Q.15  Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

ac_d_b_cbd_d_bddb

Ans

1. bdabc
2. bdbca
3. bdcab
4. cbdbd

Question ID: 98958013014
Status: Answered
Chosen Option: 2

Q.16  Two statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
Some cars are vehicles.
No vehicle is a four-wheeler.

Conclusions:
I. No car is a four-wheeler.
II. All four-wheelers are cars.
III. Some vehicles are cars.

Ans

1. Only conclusions I and II follow
2. All conclusions follow
3. Only conclusion III follows
4. Only conclusion I follows

Question ID: 98958013020
Status: Answered
Chosen Option: 1

Q.17  Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

BECD : YVXW :: DGEF : ?

Ans

1. VRTS
2. WTVU
3. WUTV
4. XUWV

Question ID: 98958013022
Status: Answered
Chosen Option: 3
Q.18 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(7, 13, 21)

Ans

1. (12, 18, 25) [X]
2. (17, 22, 30) [X]
3. (9, 16, 25) [X]
4. (2, 8, 16) [✓]

Q.19 निम्नलिखित चार शब्दों में से तीन शब्द किसी तरह से एकतमता है और एक शब्द असमान है। असमान शब्द का चयन कीजिए।

Ans

1. पवृत्ति [✓]
2. इद्दता
3. धीरज
4. स्थिरता [X]

Q.20 How many triangles are there in the following figure?

Ans

1. 14 [X]
2. 18
3. 20
4. 16 [✓]

Q.21 Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

Ans

1. [X]
Q.22 A paper is folded and cut as shown below. How will it appear when unfolded?

Ans

Q.23 Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Ans

- Heat : Sun
- 1. Home : Terrace
- 2. Ride : Car
- 3. Atmosphere : Humidity
- 4. Vitamin : Fruit
Q.24 Select the set in which the numbers are related in the same way as are the numbers of the following set.

\[(10, 18, 35)\]

Ans

1. \((4, 12, 22)\)

2. \((14, 12, 8)\)

3. \((12, 22, 46)\)

4. \((18, 6, 14)\)

Question ID: 98958013027
Status: Answered
Chosen Option: 3

Q.25 10 years ago, a father’s age was \(3\frac{1}{2}\) times that of his son, and 10 years from now, the father’s age will be \(2\frac{3}{4}\) times that of the son. What will be the sum of the ages of the father and the son at present?

Ans

1. 100 years

2. 110 years

3. 115 years

4. 120 years

Question ID: 98958013029
Status: Not Attempted and Marked For Review
Chosen Option: --

Q.1 Which of the following Biosphere Reserves was the first to be established by the Government of India?

Ans

1. Gulf of Mannar Biosphere Reserve

2. Nilgiri Biosphere Reserve

3. Nanda Devi Biosphere Reserve

4. Sundarbans Biosphere Reserve

Question ID: 98958014109
Status: Not Attempted and Marked For Review
Chosen Option: --

Q.2 _____ is a group folk dance of Sikkim performed in honour of Mount Khangchendzonga, the guardian deity of the Sikkimese people.

Ans

1. Zo-Mal-Lok

2. Tendong Lo Rum Faat

3. Chu-Faat

4. Kinchum-Chu-Bomsa

Question ID: 98958014099
Status: Not Attempted and Marked For Review
Chosen Option: --

Q.3 The idea of residual powers in Indian constitution has been taken from the constitution of:

Ans

1. South Africa

2. Canada

Question ID: 98958014099
Status: Not Attempted and Marked For Review
Chosen Option: --
3. Japan  
4. USA

Q.4 Name the pass in Uttarakhand which is used by pilgrims to Kailash-Mansarovar Yatra.

Ans  
1. Pensi La  
2. Lipu Lekh  
3. Banihal Pass  
4. Khardung La

Q.5 Buckminsterfullerene is an allotrope of:

Ans  
1. Boron  
2. Iron  
3. Phosphorus  
4. Carbon

Q.6 Name the first ever female prime minister in the world.

Ans  
1. Indira Gandhi  
2. Sirimavo Bandaranaike  
3. Golda Meir  
4. Elisabeth Domitien

Q.7 Which panel set up by the Government of India suggested total decontrol of the sugar industry?

Ans  
1. RamSevak Panel  
2. Rangarajan Panel  
3. RadheShyam Panel  
4. Sri Krishna Panel

Q.8 In India, the Project Tiger was started in _____.

Ans  
1. 1979  
2. 1973  
3. 1992  
4. 1982
Q.9 Who was the first ever female secretary general of SAARC (South Asian Association for Regional Cooperation)?

Ans
1. António Guterres
2. Fathimath Dhiyana Saeed
3. Jeremiah Nyamane Kingsley
4. Madeleine Albright

Q.10 Which of the following states passed the Maintenance of Household Registers Bill in March 2019?

Ans
1. Assam
2. Mizoram
3. West Bengal
4. Odisha

Q.11 Which of the following Public Sector Undertakings was accorded the Maharatna status in February 2013?

Ans
1. BHEL
2. ONGC
3. OIL
4. CIL

Q.12 ____ is the traditional musical instrument of the Limboo community of Sikkim.

Ans
1. Chyap-Brung
2. Jeurum Silly
3. Naumati
4. Chutkay

Q.13 How many great powers (Mahajanpadas) existed in the 7th and early 6th centuries BC, during the life time of Lord Gautam Buddha?

Ans
1. 16
2. 13
3. 11
4. 17
Q.14 Which of the following has a strong fruity fragrance?
Ans
- 1. Methyl chloride
- 2. Methanoic acid
- 3. Methanol
- 4. Ethyl acetate

Q.15 Name the gland that controls the functioning of other endocrine glands.
Ans
- 1. Pancreas
- 2. Pituitary gland
- 3. Rineal gland
- 4. Adrenal gland

Q.16 Which team won the Ranji Trophy final 2017?
Ans
- 1. Punjab
- 2. Mumbai
- 3. Vidarbha
- 4. Delhi

Q.17 Name the first Indian budget carrier to join the International Air Transport Association (IATA).
Ans
- 1. Indigo
- 2. SpiceJet
- 3. GoAir
- 4. Jet Airways

Q.18 Which of the following is an aldehyde?
Ans
- 1. Propanal
- 2. Propanol
- 3. Propanone
- 4. Propine
Q.19 In March 2019, social media platforms and the Internet and Mobile Association of India (IAMAI) presented a _________ for the General Election 2019 to the Election Commission of India.

Ans
1. Centre of Voting List
2. Detailed To Do List
3. Precautionary Code
4. Voluntary Code of Ethics

Q.20 Who was the founder of the Chalukya dynasty?

Ans
1. Narasimhavarman
2. Mangalesa
3. Kirtivarman
4. Pulakesin I

Q.21 Which of the following Articles of the Constitution of India deals with the Uniform Civil Code?

Ans
1. Article 43
2. Article 44
3. Article 45
4. Article 46

Q.22 The Special Olympics World Games 2019 was inaugurated at ________.

Ans
1. Austria
2. Germany
3. Sweden
4. Abu Dhabi

Q.23 Which of the following is the first working prototype of Internet?

Ans
1. APNET
2. ANET
3. PANET
4. ARPANET

Q.24 Which of the following is NOT one of the monarchical states that existed in the 7th and
Q.1 If the 8-digit number 789x531y is divisible by 72, then the value of \((5x - 3y)\) is:

**Ans:**

- 0
- 1
- 2
- 1

Question ID: 98958013137
Status: Not Answered
Chosen Option: --

Q.2 The income of Raja is 20% more than his expenditure. If his income increases by 60% and his expenditure increases by 70%, then by what percent does his savings increase decrease?

**Ans:**

- It decreases by 10%
- It decreases by 2%
- It increases by 10%
- It increases by 2%

Question ID: 98958013141
Status: Answered
Chosen Option: 1

Q.3 A triangle ABC is inscribed in a circle with centre O. AO is produced to meet the circle at K and AD \perp BC. If \(\angle B = 80^\circ\) and \(\angle C = 64^\circ\), then the measure of \(\angle DAK\) is:

**Ans:**

- 10°
- 16°
- 12°
- 20°

Question ID: 98958013152
Status: Not Answered
Chosen Option: --

---

early 6th centuries BC in India?

**Ans:**

- Magadha
- Vaishali
- Avanti
- Kosala

Question ID: 98958014112
Status: Not Answered
Chosen Option: --

Q.25 Name the state Chandragupta-I got in dowry from the Lichhavis.

**Ans:**

- Ujjain
- Pataliputra
- Prayaga
- Saketa

Question ID: 98958014113
Status: Not Answered
Chosen Option: --
Q.4
If \( \cos \theta = \frac{2p}{1 + p^2} \), then \( \tan \theta \) is equal to:

1. \( \frac{p^2}{1 + p^2} \)
2. \( \frac{2p}{1 - p^2} \)
3. \( \frac{1 - p^2}{1 + p^2} \)
4. \( \frac{1 - p^2}{2p} \)

Question ID: 98958013156
Status: Answered
Chosen Option: 4

Q.5
The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>Car</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td>10</td>
<td>12</td>
<td>14</td>
<td>16</td>
<td>18</td>
</tr>
<tr>
<td>B</td>
<td></td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td>20</td>
<td>22</td>
<td>24</td>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>30</td>
<td>32</td>
<td>34</td>
<td>35</td>
<td>36</td>
</tr>
<tr>
<td>E</td>
<td></td>
<td>35</td>
<td>37</td>
<td>39</td>
<td>40</td>
<td>41</td>
</tr>
</tbody>
</table>

If the data regarding the production of cars of type B is represented by a pie-chart, then the angle of the sector representing the production of cars in 2016 will be:

1. \( 80^\circ \)
2. \( 96^\circ \)
3. \( 60^\circ \)
4. \( 72^\circ \)

Question ID: 98958013161
Status: Answered
Chosen Option: 1

Q.6
The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>Car</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td>10</td>
<td>12</td>
<td>14</td>
<td>16</td>
<td>18</td>
</tr>
<tr>
<td>B</td>
<td></td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td>20</td>
<td>22</td>
<td>24</td>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>30</td>
<td>32</td>
<td>34</td>
<td>35</td>
<td>36</td>
</tr>
<tr>
<td>E</td>
<td></td>
<td>35</td>
<td>37</td>
<td>39</td>
<td>40</td>
<td>41</td>
</tr>
</tbody>
</table>

The total production of car E in 2013, 2014, 2015 and 2017 taken together is what percent less than the total production of all types of cars in 2017? (Correct to one decimal place).

1. 18.2
2. 18.4
3. 15.8
4. 17.6

Question ID: 98958013160
Status: Answered
Chosen Option: 4

Q.7
If \( 0^\circ < \theta < 90^\circ \) and \( \cos^2 \theta - 3(\cot^2 \theta - \cos^2 \theta) \) then the value of \( \left( \frac{1}{2} \sec \theta + \sin \theta \right)^{-1} \) is:

1. \( \sqrt{3} + 2 \)
2. \( 2(2 - \sqrt{3}) \)
3. \( 2(\sqrt{3} - 1) \)

Question ID: 98958013162
Status: Answered
Chosen Option: 3

Downloaded from - www.exammix.com
4. $\sqrt{3} + 1$

**Q.8** If $16x^2 + 9y^2 + 4z^2 = 24(x - y + z) - 61$, then the value of $(xy + 2z)$ is:

**Ans**
- 1
- 2
- 3
- 4. 5

**Question ID:** 98958013155  
**Status:** Not Answered  
**Chosen Option:** --

**Q.9** If $x + y + z = 19$, $xy + yz + zx = 114$, then the value of $\sqrt{x^2 + y^2 + z^2 - 3xyz}$ is:

**Ans**
- 1. 21
- 2. 17
- 3. 19
- 4. 13

**Question ID:** 98958013149  
**Status:** Not Answered  
**Chosen Option:** --

**Q.10** In $\triangle ABC$, $AD \perp BC$ and $BE \perp AC$. $AD$ and $BE$ intersect each other at $F$. If $BF = AC$, then the measure of $\angle ABC$ is:

**Ans**
- 1. 45°
- 2. 60°
- 3. 70°
- 4. 50°

**Question ID:** 98958013150  
**Status:** Answered  
**Chosen Option:** 3

**Q.11** Two circles of radii 10 cm and 8 cm intersect at the points $P$ and $Q$. If $PQ = 12$ cm, and the distance between the centres of the circles is $x$ cm. The value of $x$ (correct to one decimal place) is:

**Ans**
- 1. 13.9
- 2. 14.8
- 3. 13.3
- 4. 12.8

**Question ID:** 98958013151  
**Status:** Answered  
**Chosen Option:** 2

$\left(\frac{\sin \theta - 2\sin^2 \theta}{2\cos^2 \theta - \cos \theta}\right)^2 + 1, \theta \neq 45°$, is equal to:

**Ans**
- 1. $\cosec^2 \theta$
- 2. $\sec^2 \theta$
- 3. $\cot^2 \theta$
- 4. $\tan^2 \theta$

**Question ID:** 98958013153  
**Status:** Answered  
**Chosen Option:** 3
4. \(2\tan^2 \theta\)

Q.13 The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>Car A</th>
<th>Car B</th>
<th>Car C</th>
<th>Car D</th>
<th>Car E</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>2014</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>2015</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
</tr>
</tbody>
</table>

The ratio of the total production of cars of type C and E taken together in 2013 to the total production of cars of type D in 2014 and 2016 and type E in 2017 taken together is:

**Ans**
- 1. 8 : 13
- 2. 5 : 8
- 3. 13 : 32
- 4. 8 : 11

Q.14 If \([8(x + y)^2 - 27(x - y)^2] + (5y - x) = Ax^2 + Bxy + Cy^2\), then the value of \((A + B + C)\) is:

**Ans**
- 1. 26
- 2. 19
- 3. 16
- 4. 13

Q.15 A takes 30 minutes more than B to cover a distance of 15 km at a certain speed. But if A doubles his speed, he takes one hour less than B to cover the same distance. What is the speed (in km/h) of B?

**Ans**
- 1. 6
- 2. 5
- 3. \(\frac{61}{2}\)
- 4. \(\frac{51}{2}\)

Q.16 The value of \(\frac{5}{5} + \frac{2}{2} + \frac{2}{2} + 2 + 2\) of \(2 \times 5 - (5 - 2) \div 6 \times 2\) is:

**Ans**
- 1. \(\frac{9}{5}\)
- 2. \(\frac{19}{10}\)
- 3. 19
- 4. \(\frac{23}{2}\)
Q.17 If $x$ is subtracted from each of 23, 39, 32 and 56, the numbers so obtained, in this order, are in proportion. What is the mean proportional between $(x + 4)$ and $(3x + 1)$?

Ans

1. 15
2. 10
3. 12
4. 14

Question ID: 98958013143
Status: Not Answered
Chosen Option: --

Q.18 The marked price of an article is ₹315. It is sold for ₹288. If there is a loss of 4%, then by what percent above the cost is the article marked?

Ans

1. 5
2. 8
3. $6\frac{1}{2}$
4. $5\frac{1}{2}$

Question ID: 98958013140
Status: Answered
Chosen Option: 1

Q.19 The ratio of the efficiencies of A, B and C is 4 : 5 : 3. Working together, they can complete the work in 25 days. A and C together will complete 35% of that work in:

Ans

1. 12 days
2. 10 days
3. 18 days
4. 15 days

Question ID: 98958013145
Status: Not Answered
Chosen Option: --

Q.20 The compound interest on a certain sum in $2\frac{1}{2}$ years at 10% p.a., interest compounded yearly, is ₹1,623. The sum is:

Ans

1. ₹5,000
2. ₹6,000
3. ₹6,500
4. ₹7,200

Question ID: 98958013144
Status: Not Answered
Chosen Option: --

Q.21 $\triangle ABC$ is similar to $\triangle DEF$. The area of $\triangle ABC$ is 100 cm$^2$ and the area of $\triangle DEF$ is 49 cm$^2$. If the altitude of $\triangle ABC = 5$ cm, then the corresponding altitude of $\triangle DEF$ is:

Ans

1. 7 cm
2. 4.5 cm
3. 6 cm

Question ID: 98958013146
Status: Not Answered
Chosen Option: --
4. 3.5 cm

Q.22  Reena bought an article for Rs 1,240 and sold it at a loss of 25%. With this amount, she bought another article and sold it at a gain of 40%. Her overall percentage profit is:

Ans  1. 12
2. 6
3. 5
4. 15

Q.23  How much iron sheet (in m²) will be needed to construct a rectangular tank measuring 10 m x 8 m x 6 m, if a circular opening of radius one metre is to be left at the top of the tank? (correct to one decimal place)

Ans  1. 371.6
2. 370.4
3. 372.9
4. 370.8

Q.24  The table shows the production of different types of cars (in thousands):

<table>
<thead>
<tr>
<th>Year</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>30</td>
<td>40</td>
<td>50</td>
<td>60</td>
</tr>
<tr>
<td>2013</td>
<td>31</td>
<td>41</td>
<td>51</td>
<td>61</td>
</tr>
<tr>
<td>2014</td>
<td>32</td>
<td>42</td>
<td>52</td>
<td>62</td>
</tr>
<tr>
<td>2015</td>
<td>33</td>
<td>43</td>
<td>53</td>
<td>63</td>
</tr>
<tr>
<td>2016</td>
<td>34</td>
<td>44</td>
<td>54</td>
<td>64</td>
</tr>
<tr>
<td>2017</td>
<td>35</td>
<td>45</td>
<td>55</td>
<td>65</td>
</tr>
</tbody>
</table>

The production of cars of type A in 2015 and of type C in 2013 taken together is approximately what percent of the total production of cars of type D in five years?

Ans  1. 40.2
2. 42.4
3. 43.5
4. 42.8

Q.25  The average weight of a certain number of students in a class is 68.5 kg. If 4 new students having weights 72.2 kg, 70.8 kg, 70.3 kg and 66.7 kg join the class, then the average weight of all the students increases by 300 g. The number of students in the class initially is:

Ans  1. 21
2. 16
3. 11
4. 26
Q.1 In the sentence identify the segment which contains the grammatical error.
She got two quick promotions in order that she has good communication skills.
Ans
1. two quick promotions
2. she has good communication skills
3. in order that
4. She got

Q.2 Select the most appropriate meaning of the given idiom.
costs an arm and a leg
Ans
1. easy to obtain
2. rarely available
3. nothing to lose
4. very expensive

Q.3 Select the most appropriate word to fill in the blank.
The State Government argued that it could not ______ the increase in the teachers' salaries as awarded by the court.
Ans
1. stand
2. spare
3. afford
4. get

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
An Italian mayor has been cleaning the streets along with his councilors after their town ______ with no manual workers, it's reported. In fact, ______ was sweeping the piazza in front of the ______ church in preparation for market day, ______ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfalli's last ______ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.
SubQuestion No : 4
Q.4 Select the most appropriate option for blank No. 1.
Ans
1. was left
2. was leaving
3. has left
4. leaves
Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

An Italian mayor has been cleaning the streets along with his councilors after their town (1)______ with no manual workers, it's reported. In fact, (2)______ was sweeping the piazza in front of the (3)______ church in preparation for market day, (4)______ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfalu’s last (5)______ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

SubQuestion No : 5
Q.5 Select the most appropriate option for blank No. 2.
Ans  
1. he  ✔
2. it
3. they
4. she

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

An Italian mayor has been cleaning the streets along with his councilors after their town (1)______ with no manual workers, it's reported. In fact, (2)______ was sweeping the piazza in front of the (3)______ church in preparation for market day, (4)______ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfalu’s last (5)______ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

SubQuestion No : 6
Q.6 Select the most appropriate option for blank No. 3.
Ans  
1. near
2. local  ✔
3. neighbour
4. next

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

An Italian mayor has been cleaning the streets along with his councilors after their town (1)______ with no manual workers, it's reported. In fact, (2)______ was sweeping the piazza in front of the (3)______ church in preparation for market day, (4)______ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfalu’s last (5)______ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

SubQuestion No : 7
Q.7 Select the most appropriate option for blank No. 4.
Ans  
1. also
2. alongside
3. along
4. as well  ✔
Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

An Italian mayor has been cleaning the streets along with his councilors after their town (1)______ with no manual workers, it's reported. In fact, (2)______ was sweeping the piazza in front of the (3)______ church in preparation for market day, (4)______ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfaliu's last (5)______ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

Q.8 Select the most appropriate option for blank No. 5.
Ans  
1. councillor  
2. member  
3. worker  
4. mayor

Q.9 Select the wrongly spelt word.
Ans  
1. examplify  
2. exhale  
3. exempt  
4. example

Q.10 Select the wrongly spelt word.
Ans  
1. comparable  
2. comparison  
3. compitition  
4. communication

Q.11 Select the correct passive form of the given sentence.
Do not park your car in front of my house.
Ans  
1. Your car need not be parked in front of my house.  
2. Your car should not be parked in front of my house.  
3. Your car could not be parked in front of my house.  
4. My house should not be parked in front of your car.

Q.12 Select the synonym of the given word.
GARRULOUS
Ans  
1. guttral

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Q.13 Select the antonym of the given word. 

ESCALATE

Ans

1. heighten

2. enlarge

3. raise

4. reduce

Q.14 Select the antonym of the given word. 

TENDER

Ans

1. soft

2. warm

3. gentle

4. rough

Q.15 Select the correct active form of the given sentence. 

The main gate of the building was being guarded by gun-totting guards. 

Ans

1. Gun-totting guards guarded the main gate of the building.

2. The main gate of the building were guarding gun-totting guards.

3. Gun-totting guards were guarding the main gate of the building.

4. Gun-totting guards have been guarding the main gate of the building.

Q.16 Given below are four jumbled sentences. Select the option that gives their correct order. 

A. That sort of pollution, which is also widespread in other southeast Asian nations, regularly kills wildlife like whales and turtles that ingest the waste.

B. Environmental groups have tagged the Philippines as one of the world’s biggest ocean polluters due to its reliance on single-use plastic.

C. In Thailand also, a whale died last year after swallowing more than 80 plastic bags.

D. In the latest case, a whale with 40 kilos of plastic trash in its stomach died on Saturday in southern Philippines where it was stranded a day earlier.

Ans

1. BCAD

2. BADC

3. ABCD

4. DABC
Q.17 Select the most appropriate meaning of the given idiom.
get out of hand
Ans  
1. get out of control ✔
2. to complete a task ✗
3. give up something ✗
4. get upset ✗

Q.18 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.
I look for a better job for the last two months, but nothing is in sight.
Ans  
1. have been looking for a better job ✔
2. have looked for a better job ✗
3. No improvement ✗
4. looked for a better job ✗

Q.19 Select the synonym of the given word.
TILT
Ans  
1. slant ✔
2. straighten ✗
3. cross ✗
4. support ✗

Q.20 Given below are four jumbled sentences. Select the option that gives their correct order.
A. The elephant tusks were tracked from the Democratic Republic of Congo for two months.
B. Customs officials in Thailand say it's the biggest seizure in the country's history.
C. Four tonnes of ivory, with a market value of $6 million - it was an impressive haul.
D. Officials say they were being transported to Laos, from where they believed the ivory would be sold to customers across Asia.
Ans  
1. CBAD ✔
2. ACDB ✗
3. ABCD ✗
4. CABD ✗

Q.21 Select the word which means the same as the group of words given.
A person without a settled home or regular work who wanders from place to place and lives by begging.

Ans
1. vagrant
2. itinerant
3. migrant
4. truant

Q.22 Select the word which means the same as the group of words given.

A person, animal or plant belonging originally to a place

Ans
1. alien
2. native
3. resident
4. occupant

Q.23 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

If you join this job now, it proves to be good in the long run.

Ans
1. it has proved to be good
2. it will prove to be good
3. it proves good
4. No improvement

Q.24 Select the most appropriate word to fill in the blank.

Scientists at Cambridge University are _____ how plants can give us sustainable energy.

Ans
1. looking
2. investigating
3. scrutinizing
4. inspecting

Q.25 In the sentence identify the segment which contains the grammatical error.

Due to the Cyclone Idai vast areas of land have been flooded, roads destroyed and communications disrupting in Zimbabwe and Mosambique.

Ans
1. vast areas of land have been flooded
2. and communications disrupting
3. Due to the Cyclone Idai
4. roads destroyed
Q.1 If FLOWER is coded as 14 and DISTASTE is coded as 18, then how will BUREAUCRAT be coded as?

Ans

1. 22 ✔
2. 18 ✗
3. 20 ✗
4. 28 ✗

Q.2 Select the Venn diagram that best illustrates the relationship between the following classes.

Graduates, Literates, Hardworking

Ans

1. ✔
2. ✗
3. ✗
Q.3 Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

Ans

1. 123
2. 789
3. 457
4. 567

Q.4 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans

1. MZLY
2. KXJW
3. GESO
4. IVHU

Q.5 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

DKFM : FBHK : BEGP : ?

Ans

1. DNER
2. CKHO
3. ZNEN
4. DJIN

Q.6
The sequence of folding a piece of square paper (figures X and Y) and the manner in which the folded paper has been cut (figure Z) are shown. How will the paper appear when unfolded?

Q.7  P is the father of Q and R is the son of S. T is the brother of P. Q is the sister of R. How is S related to T?

Ans  
1. Brother-in-law  
2. Daughter  
3. Sister-in-law  
4. Brother

Q.8 Three of the following four word pairs are alike in a certain way and one is different. Pick the odd word out.

Ans  
1. Bangladesh : Taka
Select the option in which the given figure is embedded.

Rotation not allowed

1. ✓
2. ❌
3. ❌
4. ❌
Q.10 Select the figure that will come next in the following figure series.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>O</td>
<td>X</td>
<td>O</td>
</tr>
<tr>
<td>O</td>
<td>O</td>
<td>X</td>
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</tr>
<tr>
<td>X</td>
<td>O</td>
<td>O</td>
<td>?</td>
</tr>
</tbody>
</table>

Chosen Option: 3

Question ID: 98958013062
Status: Answered

Q.11 Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair:

Frown: Displeasure

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Grief: Sorrow</td>
<td></td>
</tr>
<tr>
<td>2. Madness: Illness</td>
<td></td>
</tr>
<tr>
<td>3. Laugh: Comedy</td>
<td></td>
</tr>
<tr>
<td>4. Smile: Ecstasy</td>
<td></td>
</tr>
</tbody>
</table>

Chosen Option: 4

Question ID: 98958013049
Status: Answered

Q.12 How many triangles are there in the following figure?

[Diagram of triangles]

Chosen Option: 3
Q.13  Select the option that is related to the third term in the same way as the second term is related to the first term.

29 : 13 :: 37 : ?

Ans
1. 15
2. 21
3. 17
4. 14

Q.14  Select the set in which the numbers are related in the same way as are the numbers of the following set.

(9, 15, 27)

Ans
1. (6, 9, 18)
2. (15, 25, 35)
3. (21, 35, 56)
4. (12, 20, 36)

Q.15  In a code language if FRIDGE is written as GTLHK, then in the same language how will you write the word KETTLE?

Ans
1. WQLGXXK
2. LGWXQK
3. GLXWQK
4. XQWQGLG

Q.16  Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans
1. TUWZ
2. MNPS
Q.17 What will be the value of the following equation if ‘+’ means 'addition', ‘-’ means 'subtraction', ‘×’ means 'multiplication' and ‘÷’ means 'division'?

\[ 54 \times 6 - 7 ÷ 8 + 2 = ? \]

**Ans**

1. 63
2. 57
3. 69
4. 61

Q.18 Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

**Ans**

1. x
2. x
3. x
4. x

Q.19 Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

cb db cba bc bad c

**Ans**

1. acdcba
2. cabdc
3. acbcd
Q.20
Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Ans
1. Benevolence
2. Courtesy
3. Indulgence
4. Hindrance

Q.21
Arrange the following words in a logical and meaningful order.

1. Salary
2. Recruitment
3. Education
4. Promotion
5. School
6. Employment

Ans
1. 5, 3, 2, 6, 1, 4
2. 5, 3, 2, 6, 4, 1
3. 5, 3, 4, 1, 2, 6
4. 3, 5, 4, 2, 6, 1

Q.22
Which two signs should be interchanged in the following equation to make it correct?

15 - 9 ÷ 6 × 10 + 5 = 25

Ans
1. × and -
2. + and -
3. + and ÷
4. × and +
Q.23 In a code language, SUNDAY is written as DNUAYS. How will MOTHER be written as in that language?

**Ans**
- 1. HTEOMR
- 2. HTOERM
- 3. HOTERM
- 4. THEORM

**Q.24** Two rotated positions of a dice are given below. Which number will be at the top if ‘3’ is at the bottom?

**Ans**
- 1. 4
- 2. 1
- 3. 2
- 4. 6

**Q.25** Two statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

**Statements:**
Some mobiles are instruments.
All instruments are heavy items.

**Conclusions:**
I. Some mobiles are heavy items.
II. No mobile is a heavy item.
III. Some heavy items are instruments.

**Ans**
- 1. All conclusions follow
- 2. Only conclusion I follows
- 3. Only conclusion III and either conclusion I or II follow
- 4. Only conclusions I and III follow

**Section:** General Awareness

**Q.1** As of May 2019, which political party does actor Raj Babbar belong to?

**Ans**
- 1. Samajwadi
- 2. Indian National Congress
- 3. Bahujan Samaj Party
- 4. Bharatiya Janta Party

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Q.2 Who bagged the 4th Carnot Prize 2018 for his contribution towards sustainable energy solutions?

Ans

1. Arun Jaitley
2. Harsh Vardhan
3. Hardeep Puri
4. Piyush Goyal

Q.3 The period between ____________ in India's history is known as the Delhi Sultanate period.

Ans

1. 1206 A.D. and 1526 A.D.
2. 1456 A.D. and 1675 A.D.
3. 745 A.D. and 1245 A.D.
4. 1105 A.D. and 1445 A.D.

Q.4 Mihira Bhoja was the ruler of _____.

Ans

1. Rashtrakuta
2. Chola
3. Pratihara
4. Chalukya

Q.5 In the year 1978, the _____ amendment eliminated the right to acquire, hold and dispose of property as a fundamental right.

Ans

1. 41st
2. 43rd
3. 44th
4. 42nd

Q.6 The defending champions ____ won the 85th Ranji Trophy title in 2019.

Ans

1. Mumbai
2. Karnataka
Q.7 Which of the following economic activities employs the maximum number of people in India?
Ans
1. Tourism
2. Manufacturing
3. Agriculture
4. Mining

Q.8 Baglihar Dam is constructed on which river?
Ans
1. Chenab
2. Ravi
3. Sutlej
4. Indus

Q.9 Who is the author of the book 'Rajatarangini'?
Ans
1. Banabhatta
2. Kalhana
3. Kalidasa
4. Somadeva

Q.10 In which part of the Indian Constitution are centre-state relations mentioned?
Ans
1. Part IV (Article 227 to 234)
2. Part XI (Article 245 to 255)
3. Part X (Article 234 to 240)
4. Part XII (Article 265 to 277)
Q.1 The amount of light entering the eye can be controlled and regulated by ____.

Ans

1. Iris
2. Cornea
3. Pupil
4. Retina

Question ID: 98958014141
Status: Answered
Chosen Option: 2

Q.12 'Mithun', a cattle breed is found in ____.

Ans

1. Tamilnadu
2. Arunachal Pradesh
3. Kerala
4. Maharashtra

Question ID: 98958014128
Status: Answered
Chosen Option: 1

Q.13 'Veer Kunwar Singh Jayanti' is celebrated in ____ in order to recognize the achievements of Kunwar Singh during the Indian rebellion of 1857.

Ans

1. Himachal Pradesh
2. Bihar
3. Uttarakhand
4. Uttar Pradesh

Question ID: 98958014124
Status: Answered
Chosen Option: 1

Q.14 Which cells in our body are popularly called "soldiers of the human body"?

Ans

1. Eosinophils
2. White blood cells
3. Red blood cells
4. Basophils

Question ID: 98958014130
Status: Answered
Chosen Option: 2
Q.16 Which hormone leads to the expulsion of milk from the breast during suckling?
Ans
- 1. Estrogen
- 2. Oxytocin
- 3. Prolactin
- 4. Progesterone

Q.17 The festival of Marabats and Badgyas celebrated in _____ directly confronts social evils and criticise their perpetrators through a procession with effigies.
Ans
- 1. Jabalpur
- 2. Panaji
- 3. Nagpur
- 4. Hyderabad

Q.18 The Nanda Devi Peak is located in___________.
Ans
- 1. Sikkim
- 3. Uttarakhand
- 4. Assam

Q.19 Which of the following is a communicable disease?
Ans
- 1. Measles
- 2. Scurvy
- 3. Asthma
- 4. Diabetes

Q.20 In 2019, Kazakhstan renamed its capital Astana to _____.
Ans
- 1. NurNazar
- 2. Nursultan
- 3. Nazarbayev
- 4. Nurbayev
Q.21 If there is a lack of money supply in comparison to the supply of goods and services, then
the possible consequence would be ______.

Ans
- Hyperinflation
- Deflation
- Devaluation
- Inflation

Q.22 Which of the following has the highest protein content per gram?

Ans
- Apple
- Soyabean
- Wheat
- Groundnut

Q.23 ______ won the inaugural Pro Volleyball League (PVL) title in 2019.

Ans
- Calicut Heroes
- Chennai Spartans
- Ahmedabad Defenders
- Kochi Blue Spikers

Q.24 Vikramashila University was founded by ________, a Pala king.

Ans
- Rajendra Chola
- Pulakeshin I
- Mihira Bhoja
- Dharmapala

Q.25 21 March 2019 was celebrated by the UN as World Down Syndrome Day and the theme was

Ans
- "Leave no one behind"
- "All is well"
- "Together we grow"
4. "Live and let live"

<table>
<thead>
<tr>
<th>Question ID</th>
<th>Status</th>
<th>Chosen Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>98958014148</td>
<td>Not Answered</td>
<td>--</td>
</tr>
</tbody>
</table>

**Section: Quantitative Aptitude**

**Q.1** On selling an article for ₹800, a person loses 20% of its selling price. At what price should he sell it to gain 25% on its cost price?

<table>
<thead>
<tr>
<th>Ans</th>
<th>1. ₹1,280</th>
<th>2. ₹1,152</th>
<th>3. ₹1,250</th>
<th>4. ₹1,200</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>×</td>
<td>×</td>
<td>×</td>
<td>✓</td>
</tr>
</tbody>
</table>

**Q.2** AB and CD are two parallel chords of a circle such that AB = 6 cm and CD = 2AB. Both chords are on the same side of the centre of the circle. If the distance between them is equal to one-fourth of the length of CD, then the radius of the circle is:

<table>
<thead>
<tr>
<th>Ans</th>
<th>1. $3\sqrt{5}$ cm</th>
<th>2. $4\sqrt{3}$ cm</th>
<th>3. $4\sqrt{5}$ cm</th>
<th>4. $5\sqrt{3}$ cm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>✓</td>
<td>×</td>
<td>×</td>
<td>×</td>
</tr>
</tbody>
</table>

**Q.3** If $\sec\theta - \tan\theta = P$, then $\cosec\theta = ?$

<table>
<thead>
<tr>
<th>Ans</th>
<th>$\frac{2P}{1-P^2}$</th>
<th>$\frac{1-P^2}{1+P^2}$</th>
<th>$\frac{P^2+1}{1-P^2}$</th>
<th>$\frac{2P}{1+P^2}$</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>×</td>
<td>×</td>
<td>✓</td>
<td>×</td>
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</table>

**Q.4**

<table>
<thead>
<tr>
<th>Question ID</th>
<th>Status</th>
<th>Chosen Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>98958013186</td>
<td>Answered</td>
<td>3</td>
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</tbody>
</table>
The Table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>84</td>
<td>56</td>
<td>57</td>
<td>63</td>
<td>70</td>
</tr>
<tr>
<td>B</td>
<td>48</td>
<td>54</td>
<td>63</td>
<td>64</td>
<td>72</td>
</tr>
<tr>
<td>C</td>
<td>33</td>
<td>42</td>
<td>48</td>
<td>57</td>
<td>64</td>
</tr>
<tr>
<td>D</td>
<td>25</td>
<td>45</td>
<td>40</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>E</td>
<td>40</td>
<td>48</td>
<td>52</td>
<td>61</td>
<td>60</td>
</tr>
</tbody>
</table>

The ratio of the total production of type A cars in 2015 and type B cars in 2014 taken together to the total production of type C cars in 2017 and type E cars in 2018 taken together is:

**Ans**

1. 16 : 19
2. 4 : 5
3. 8 : 9
4. 34 : 39

**Question ID:** 98958013187

**Status:** Answered

**Chosen Option:** 3

---

**Q.5** The ratio of the efficiencies of A, B and C is 7 : 5 : 4. Working together, they can finish a work in 35 days. A and B work together for 28 days. The remaining work will be completed (in days) by C alone:

**Ans**

1. 56
2. 63
3. 49
4. 60

**Question ID:** 98958013174

**Status:** Answered

**Chosen Option:** 1

---

**Q.6** If \(a^2 + b^2 + 64c^2 + 16c + 3 = 2(a + b)\), then the value of \(4a^7 + b^7 + 8c^2\) is:

**Ans**

1. \(\frac{3}{8}\)
2. \(\frac{4}{8}\)
3. \(\frac{4}{9}\)
4. \(\frac{5}{9}\)

**Question ID:** 98958013178

**Status:** Not Attempted and Marked For Review

**Chosen Option:** --

---

**Q.7** The value of \(2\frac{7}{8} + \left(\frac{3}{6} ÷ \frac{2}{3} of 2\frac{1}{3}\right) × \left[\left(\frac{6}{7} of \frac{4\frac{1}{5} + \frac{2}{3}}{3}\right) × \frac{5}{9}\right]\) is:

**Ans**

1. \(\frac{1}{4}\)
2. 4
3. \(\frac{1}{23}\)
4. 5

**Question ID:** 98958013179

**Status:** Not Attempted and Marked For Review

**Chosen Option:** --
Q.8 If \(x + y = 1\) and \(xy(x - y) = 12\), then the value of \(x^4 + y^4\) is:

Ans
1. 19
2. 25
3. 20
4. 23

Q.9 If the 8-digit number 179091y is divisible by 88, the value of \((5x - 8y)\) is:

Ans
1. 4
2. 7
3. 9
4. 5

Q.10 What will be the compound interest (nearest to ₹1) on a sum of ₹25,000 for 2 years at 12% p.a., if the interest is compounded 8-monthly?

Ans
1. ₹6,394
2. ₹6,439
3. ₹6,493
4. ₹6,349

Q.11 If \((27x^2 - 343y^3) + (3x - 7y) = Ax^2 + By^2 + 7Cy\), then the value of \((4A - B + 5C)\) is:

Ans
1. 0
2. 3
3. 2
4. 1

Q.12 If \(a^2 + b^2 + c^2 = 21\), and \(a + b + c = 7\), then \((ab + bc + ca)\) is equal to:

Ans
1. 12
Q.13 If \(x\) is added to each of 12, 28, 21 and 45, the numbers so obtained, in this order, are in proportion. What is the mean proportional between \((x+3)\) and \((4x+1)\)?

Ans  
1. 15  
\(\times\) 2. 18  
\(\times\) 3. 10  
\(\times\) 4. 12  

Question ID: 98958013134  
Status: Answered  
Chosen Option: 3

Q.14 The income of A is 25% more than that of B and the income of C is 65% less than the sum of the incomes of A and B. Income of C is what percent less than the income of A?

Ans  
\(\times\) 1. 28  
\(\times\) 2. 32  
\(\times\) 3. 35  
\(\checkmark\) 4. 37  

Question ID: 98958013172  
Status: Not Answered  
Chosen Option: --

Q.15 The Table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Cars</th>
<th>Year</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>64</td>
<td>56</td>
<td>57</td>
<td>61</td>
<td>52</td>
<td>72</td>
</tr>
<tr>
<td>B</td>
<td>48</td>
<td>54</td>
<td>63</td>
<td>64</td>
<td>72</td>
<td>72</td>
</tr>
<tr>
<td>C</td>
<td>33</td>
<td>42</td>
<td>48</td>
<td>57</td>
<td>64</td>
<td>72</td>
</tr>
<tr>
<td>D</td>
<td>25</td>
<td>45</td>
<td>48</td>
<td>35</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>E</td>
<td>40</td>
<td>48</td>
<td>52</td>
<td>61</td>
<td>60</td>
<td>60</td>
</tr>
</tbody>
</table>

In the data related to the production of type D cars is represented by a pie chart, then the central angle of the sector representing production of cars in 2015 will be:

Ans  
\(\times\) 1. 72°  
\(\times\) 2. 63°  
\(\checkmark\) 3. 81°  
\(\checkmark\) 4. 99°  

Question ID: 98958013188  
Status: Answered  
Chosen Option: 4

Q.16 The areas of the three adjacent faces of a cuboid are 32 cm², 24 cm² and 48 cm². What is the volume of the cuboid?

Ans  
\(\checkmark\) 1. 192 cm³  
\(\times\) 2. 256 cm³
Q. 17 Three numbers are such that if the average of any two of them is added to the third number, the sums obtained are 168, 174 and 180 respectively. What is the average of the original three numbers?

Ans

- 1. 86
- 2. 87
- 3. 89
- 4. 84

Q. 18 The area of a triangle is 15 sq cm and the radius of its incircle is 3 cm. Its perimeter is equal to:

Ans

- 1. 12 cm
- 2. 20 cm
- 3. 5 cm
- 4. 10 cm

Q. 19 The value of \( \theta \), when \( \sqrt{3} \cos \theta + \sin \theta = 1 \) \((0^\circ \leq \theta \leq 90^\circ)\), is:

Ans

- 1. 90°
- 2. 30°
- 3. 60°
- 4. 0°

Q. 20 The Table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Cars</th>
<th>Year</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>64</td>
<td>56</td>
<td>57</td>
<td>62</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>48</td>
<td>54</td>
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<td>72</td>
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<td>C</td>
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<td>42</td>
<td>48</td>
<td>57</td>
<td>64</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>25</td>
<td>45</td>
<td>40</td>
<td>55</td>
<td>51</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>49</td>
<td>48</td>
<td>52</td>
<td>61</td>
<td>69</td>
<td></td>
</tr>
</tbody>
</table>

The total production of type D cars during 2015 to 2017 is what percent less than the total production of type E cars during 2014, 2015, 2016 and 2018 taken together?

Ans

- 1. 35
- 2. 32
- 3. 28
Q.21 The Table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
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<td>55</td>
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</tr>
<tr>
<td>E</td>
<td>40</td>
<td>48</td>
<td>32</td>
<td>61</td>
<td>60</td>
</tr>
</tbody>
</table>

The total production of type C cars in 2015 and type E cars in 2018 taken together is what percent of the total production of cars in 2014 and 2017 taken together?

**Ans**  
1. 22  
2. 25  
3. 20  
4. 27

Q.22 A man purchases 100 copies of a book from the publisher and gets a discount of 25%. He buys 50 copies from a retailer at a discount of 10%. He got an overall discount of:

**Ans**  
1. 16.5%  
2. 17.5%  
3. 20%  
4. 35%

Q.23 In a \( \triangle ABC \), the sides \( AB \) and \( AC \) are extended to \( P \) and \( Q \), respectively. The bisectors of \( \angle PBC \) and \( \angle QCB \) intersect at a point \( R \). If \( \angle PRB = 60^\circ \), then the measure of \( \angle A \) is:

**Ans**  
1. 36°  
2. 24°  
3. 48°  
4. 72°

Q.24 Ann allows a 20% discount on the marked price of an article and still makes a profit of 25%. If she gains ₹44.80 on the sale of the article, then the cost price of the article is:

**Ans**  
1. ₹188.80  
2. ₹192.80  
3. ₹184.20
Q.25 ABCD is a cyclic quadrilateral in which \( \angle A = 67^\circ \) and \( \angle B = 92^\circ \). What is the difference between the measures of \( \angle C \) and \( \angle D \)?

**Ans**

1. 29°
2. 27°
3. 19°
4. 25°

Q.1 Select the most appropriate meaning of the given idiom.

*actions speak louder than words*

**Ans**

1. take up a task that you cannot finish
2. what you do is more important than what you say
3. do something without planning
4. look for solutions in the wrong place

Q.2 Select the correct active form of the given sentence.

The crop was adversely affected by the inadequate rainfall.

**Ans**

1. The adversely rainfall has affected the inadequate crop.
2. The inadequate rainfall was adversely affecting the crop.
3. The inadequate rainfall adversely affected the crop.
4. The inadequate crop adversely affected the rainfall.

Q.3 Select the antonym of the given word.

**PARDON**

**Ans**

1. mercy
2. punish
3. kindness
4. grace
Q.4 Given below are four jumbled sentences. Select the option that gives their correct order.

A. And 844 million don’t have access to clean water close to home, according to the latest report by WaterAid.
B. Around 4 billion people in the world live in physically water-scarce areas.
C. It is because globally we use six times as much water today as we did 100 years ago.
D. The world’s water crisis is getting worse.

Ans

1. DACB
2. BDCA
3. CADB
4. BADC

Q.5 Select the word which means the same as the group of words given.

A person who draws or produces maps

Ans

1. calligrapher
2. cartographer
3. lexicographer
4. choreographer

Q.6 Select the word which means the same as the group of words given.

A cylindrical container bulging out in the middle, traditionally made of wooden staves for keeping oil, beer etc.

Ans

1. bin
2. bushel
3. barrel
4. bale

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Eager to control the South Atlantic, the British Navy had tasked Admiral Byron (1)_____ settling an island off the South American coast (2)_____ ships could resupply, and then finding an alternative (3)_____ to the East Indies. After rounding the tip of South America, Admiral Byron confronted the world’s (4)_____ body of water: the endless Pacific Ocean. After a month of empty blue horizon, a tiny island (5)_____. Byron joyously described the island’s “beautiful appearance – surrounded by a beach of the finest white sand – and covered with tall trees.”

SubQuestion No : 7
Q.7 Select the most appropriate option for blank No. 1.

Ans  
1. for  
2. from  
3. of  
4. with  

Q.8 Select the most appropriate option for blank No. 2.

Ans  
1. there  
2. when  
3. where  
4. wherever  

Q.9 Select the most appropriate option for blank No. 3.

Ans  
1. route  
2. road  
3. path  
4. means
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Eager to control the South Atlantic, the British Navy had tasked Admiral Byron to settling an island off the South American coast ships could resupply, and then finding an alternative to the East Indies. After rounding the tip of South America, Admiral Byron confronted the world’s body of water: the endless Pacific Ocean. After a month of empty blue horizon, a tiny island Byron joyously described the island’s “beautiful appearance – surrounded by a beach of the finest white sand – and covered with tall trees.”

SubQuestion No : 10
Q.10 Select the most appropriate option for blank No. 4.

Ans
1. larger
2. large
3. more larger
4. largest

Question ID : 98958012470
Status : Answered
Chosen Option : 4

SubQuestion No : 11
Q.11 Select the most appropriate option for blank No. 5.

Ans
1. came out
2. appeared
3. showed
4. stood up

Question ID : 98958012471
Status : Answered
Chosen Option : 2

Q.12 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

If I have money, I purchase this house.

Ans
1. I purchased
2. No improvement
3. I have purchased
4. I will purchase

Question ID : 98958012464
Status : Answered
Chosen Option : 3
Q.13 Select the most appropriate meaning of the given idiom.

pull someone's leg

Ans

1. trust someone
2. joke with someone
3. get upset with someone
4. tell someone a secret

Q.14 Select the most appropriate word to fill in the blank.

A number of Indian goods face a _____ competition from Chinese goods in terms of prices and looks.

Ans

1. angry
2. powerful
3. fierce
4. bold

Q.15 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

She read that novel since she got up in the morning.

Ans

1. No improvement
2. has been reading that novel
3. reads that novel
4. has read that novel

Q.16 Select the most appropriate word to fill in the blank.

Many items made of ivory were _____ from a dealer in antiques by the custom authorities at the Delhi airport.

Ans

1. appropriated
2. confiscated
3. annexed
4. hijacked

Q.17 In the sentence identify the segment which contains the grammatical error.

She lost a big order from a known showroom in case of her own carelessness.
Ans
1. in case of
2. her own carelessness
3. She lost a big order
4. from a known showroom

Q.18 Select the synonym of the given word.
INEPT
Ans
1. capable
2. fit
3. strong
4. clumsy

Q.19 Select the wrongly spelt word.
Ans
1. exchange
2. exercise
3. exite
4. exclam

Q.20 Select the synonym of the given word.
INARTICULATE
Ans
1. fluent
2. inevitable
3. eloquent
4. incoherent

Q.21 Select the correct passive form of the given sentence.
Please show me my son's Mathematics notebook.
Ans
1. I will please be shown my son's Mathematics notebook.
2. I may please be shown my son's Mathematics notebook.
3. My son's Mathematics notebook was please shown to me.
4. My son may please be shown the Mathematics notebook.
Q.22 Select the wrongly spelt word.
Ans
1. comparable
2. commission
3. committee
4. conscience

Q.23 Select the antonym of the given word.
EXCEPTIONAL
Ans
1. uncommon
2. unthinkable
3. unimaginable
4. unremarkable

Q.24 In the sentence identify the segment which contains the grammatical error.
Torrential rains and winds of upto 170 km per hour swept away roads, homes and bridges and knocking down power and communication lines.
Ans
1. knocking down
2. homes and bridges
3. swept away roads
4. winds of upto

Q.25 Given below are four jumbled sentences. Select the option that gives their correct order.
A. An estimated 70% of this plastic which enters the sea sinks.
B. This is a problem that stretches far beyond India.
C. Eight million tonnes of plastic ends up in the world's oceans every year, causing damage to the fragile ecosystem.
D. And much of it is not biodegradable.
Ans
1. CADB
2. ABDC
3. CDBA
4. ADBC
Q.1 Which number will replace the question mark (?) in the following series?

98, 95, 86, 82, 66, ?, 36

Ans


1. 58
2. 60
✓ 3. 61
x 4. 63

Question ID: 98958013087
Status: Answered
Chosen Option: 3

Q.2 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(8, 12, 24)

Ans

✓ 1. (6, 9, 18)
2. (12, 20, 40)
3. (6, 10, 18)
4. (9, 18, 27)

Question ID: 98958013090
Status: Answered
Chosen Option: 3

Q.3 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

MNOP : LONQ :: FGHI : ?

Ans

x 1. GFIJ
2. EGHJ
3. DHGK
✓ 4. EHGJ

Question ID: 98958013076
Status: Answered
Chosen Option: 4
How many squares are there in the following figure?

Ans

- 1. 12
- 2. 18
- 3. 16
- 4. 14

Q.5
Select the figure that will come next in the following figure series.

Ans

- 1.  
- 2.  
- 3. 

Question ID: 98958013095
Status: Answered
Chosen Option: 3
Q. 6 Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.

7 : 32

Ans

1. 3 : 11
2. 13 : 98
3. 12 : 85
4. 16 : 145

Q. 7 ‘Cinema’ is related to ‘Audience’ in the same way as ‘Church’ is related to ‘_____’.

Ans

1. Congregation
2. Meditation
3. Concentration
4. Prayer

Q. 8 Three of the following four letter clusters are alike in a certain way and one is different. Pick the odd one out.

Ans

1. RQST
2. FGHJ
3. MLNO
4. CBDE

Q. 9 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(5, 13, 12)

Ans

1. (13, 17, 11)
2. (11, 15, 9)
Q.10 If CAB is coded as 6 and BED is coded as 40, then how will HAD be coded as?

Ans

1. 16
2. 52
3. 32
4. 46

Q.11 Two statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
No crow is a bird.
All birds are animals.

Conclusions:
I. Some animals are crows.
II. Some animals are birds.
III. No animal is a crow.

Ans

1. Only conclusions I and III follow
2. None of the conclusions follows
3. Only conclusion III follows
4. Conclusion II and either conclusion I or III follows

Q.12 D, C का पुत्र और E का बेटे है और ऋ, F की भाईनी (niece) है। C, B की बहन है और A की अंडी है। B के पिता के दो बच्चे अर्थात एक पुत्र और एक पुत्री है। यदि A, F का पुत्र है तो, F का C से क्या संबंध है?

Ans

1. बहेना भाई
2. बुआ
3. भाईनी
4. बहन

Q.13

Question ID: 98958013091
Status: Not Answered
Chosen Option: --

Question ID: 98958013083
Status: Not Answered
Chosen Option: --

Question ID: 98958013086
Status: Answered
Chosen Option: 4

Question ID: 98958013085
Status: Not Answered
Chosen Option: --
Two different positions of the same dice are shown. Which number will be at the top if 4 is at the bottom?

Ans

1. 3
2. 6
3. 5
4. 1

Q.14 In a code language, COMPUTER is written as OCREFIXR. How will DAUGHTER be written in the same language?

Ans

1. READTHGU
2. ADTHREGU
3. ADREGUTH
4. ADERUGTH

Q.15 The sequence of folding a piece of square paper (figures X and Y) and the manner in which the folded paper has been cut (figure Z) are shown. How will the paper appear when unfolded?

Ans

1.  
2.  
3.  
4.  

Q.16
Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

![Figure Image]

Q.17 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Ans

1. Krishna
2. Mahanadi
3. Tapti
4. Godavari

Q.18 Which two signs should be interchanged in the following equation to make it correct?

$$10 + 5 \div 10 \times 8 - 10 = 16$$

Ans

1. + and ×
2. - and ×
Q.19 Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

bac_cab_ed_a_ac_ca

Ans

1. bdabc
2. dcbac
3. cadbc
4. daecbd

Q.20 Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

Ans

1. 338
2. 217
3. 28
4. 65

Q.21 Select the Venn diagram that best illustrates the relationship between the following classes.

Snakes, Reptiles, Poisonous

Ans

1. 
2. 
3. 
4. 

Question ID: 989580213092
Status: Answered
Chosen Option: 2

Question ID: 98958013084
Status: Answered
Chosen Option: 4

Question ID: 98958013089
Status: Not Answered
Chosen Option: --
Q.22 Two mixtures contain milk and juice in the ratio of 2 : 1 and 4 : 5. If equal volumes of the two mixtures are mixed together, what would be ratio of milk to juice in the resulting mixture?

Ans

1. 7 : 5
2. 1 : 1
3. 5 : 3
4. 5 : 4

Question ID: 98958013093
Status: Answered
Chosen Option: 4

Q.23 सिद्धांततया दिए गए विकल्पों में से उस शब्द ग्रुप का व्यय कीजिये जो आपस में उसी प्रकार संबंधित है जिस प्रकार नीचे लिखे गए शब्द ग्रुप के दोनों शब्द आपस में संबंधित हैं।

उदाहरणता: उस्मान

Ans

1. युद्ध : हमला
2. संधि : निचता
3. नामांकन : सेवायोजन
4. निदर्श : आदर

Question ID: 98958013081
Status: Marked For Review
Chosen Option: 1

Q.24 Arrange the following words in a logical and meaningful order.

1. Student
2. Job
3. Interview
4. Education
5. Retirement
6. Degree

Ans

1. 1, 5, 3, 6, 4, 2
2. 1, 4, 6, 3, 2, 5
3. 5, 3, 2, 1, 4, 6
4. 3, 5, 4, 6, 1, 2

Question ID: 98958013082
Status: Answered
Chosen Option: 2
Q.25 Select the option in which the given figure is embedded.

(X)

ANS

1.

2.

3.

4.

Q.1 Which of the following destroys the ozone layer?

Ans

1. Sulphur

2. Carbon

3. Chlorine

4. Silicon

Q.2 Who founded and named the science of electromagnetism?

Ans

1. Michael Faraday

2. James Clerk

3. Hans Christian Oersted

4. Andre Marie Ampère
Q.3 _____ was the first Muslim ruler whose empire covered almost the whole of India up to its extreme south.

Ans
1. Alauddin Khilji
2. Jalal-ud-din Khilji
3. Ghiyas ud din Balban
4. Feroz Shah Tughlaq

Q.4 Where is the Bandipur National Park located?

Ans
1. Karnataka
2. Kerala
3. Gujarat
4. Sikkim

Q.5 The popular Bagh cave paintings are found in _____.

Ans
1. Madhya Pradesh
2. Himachal Pradesh
3. Sikkim
4. Odisha

Q.6 What is deposited on iron in the process of galvanisation?

Ans
1. Copper
2. Zinc
3. Tin
4. Aluminium

Q.7 The Badami Chalukyas first had their capital at ____ before they moved it to Badami.

Ans
1. Pattadakal
2. Aihole
3. Hubli
Q.8 In February 2019, India won ____ gold medal/s and five silver medals at the Makran Cup Boxing in Chabahar, Iran.
Ans: 4. one

Q.9 In February 2019, ____ won a gold medal at the Makran Cup in Chabahar, Iran.
Ans: 2. Deepak Singh

Q.10 World ___ Day 2019 was observed on 22nd March with the theme ‘Leaving no one behind’ to focus on marginalised groups.
Ans: 3. Water

Q.11 Which of the following ministries implemented the Midday Meal scheme?
Ans: 3. Ministry of Human Resource Development

Q.12 Which was the first Muslim dynasty that ruled India?
Ans: 4. Slave dynasty
2. Tughlaq dynasty
3. Lodhi dynasty
4. Khilji dynasty

Q.13 Lok Adalats have been created under ______.
Ans 1. Legal Services Authority Act
2. Administration of Justice Act
3. Arbitration and Conciliation Act
4. Legal Conciliation Act

Q.14 Which is the longest national highway in India?
Ans 1. National Highway 48
2. National Highway 44
3. National Highway 53
4. National Highway 27

Q.15 Name the Indian Space Research Organisation (ISRO) chairman and Padma Bhushan awardee who created and unleashed a historical moment when Mars Orbiter became the first Indian spacecraft to enter Martian orbit in a maiden attempt.
Ans 1. Sundar Pichai
2. K Radhakrishnan
3. Fali Nariman
4. Nandan Nilekani

Q.16 Who among the following was a slave of Muhammad Ghor? He became the ruler after the death of his master and founded the Slave Dynasty.
Ans 1. Ghiyas ud din Balban
2. Iltutmish
3. Nasir-ud-din Mahmud
4. Qutub-ud-din Aibak
Q.17 ________, which connects Sikkim with Tibet, was closed after the Chinese aggression on India in 1962 but was reopened in 2006 as the governments of the two countries decided to enhance their trade through land routes.

Ans
1. Imis La [x]
2. Pensi La [x]
3. Lanak La [x]
4. Nathu La [✓]

Question ID: 98958014158
Status: Answered
Chosen Option: 4

Q.18 Who was awarded the Rabindranath Tagore Literary Prize 2019 for the Novel 'Solo'?

Ans
1. Nayanjyot Mukherjee [x]
2. Rana Dasgupta [✓]
3. Amitabh Ghosh [x]
4. Jhumpa Lahiri [x]

Question ID: 98958014171
Status: Answered
Chosen Option: 4

Q.19 The colourful art named Nandna block print, which uses graceful yet aligned arrangements of motifs on fabric, is practised in Tarapur village of ____________.

Ans
1. Uttarakhand [x]
2. Madhya Pradesh [✓]
3. Odisha [x]
4. Maharashtra [x]

Question ID: 98958014150
Status: Answered
Chosen Option: 4

Q.20 Which of the following does NOT come under the Quarternary sector?

Ans
1. Information Technology [✓]
2. Mining [x]
3. Manufacturing [x]
4. Fisheries [x]

Question ID: 98958014152
Status: Not Answered
Chosen Option: --

Q.21 Right to move freely throughout the territory of India is a fundamental right under ________ of the Constitution of India.

Ans
1. Article 24 [x]
2. Article 21 [x]
3. Article 14 [x]
<table>
<thead>
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<td>4</td>
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</table>

**Q.22** Which of the following metals is the most ductile metal?

Ans

1. Tin
2. Gold
3. Copper
4. Aluminium

**Q.23** International Day of Forests 2019 was observed on 21st March with the theme _____ to raise awareness on how sustainably managed forests provide a wide array of contributions.

Ans

1. Pollution-free Forests'
2. Forests and Education'
3. Forests and Environment'
4. Forests Our Saviour'

**Q.24** Which of the following metals is the most reactive metal?

Ans

1. Copper
2. Calcium
3. Iron
4. Zinc

**Q.25** Which Indian received the Nobel Peace Prize after Mother Teresa?

Ans

1. K Radhakrishnan
2. Fali Nariman
3. P Sathasivam
4. Kailash Satyarthi
Q.1 A person sold an article at a loss of 8%. Had he sold it at a gain of 10.5%, he would have received ₹92.50 more. To gain 12%, he should have sold it for:

Ans

1. ₹540.50
2. ₹560
3. ₹580
4. ₹537.40

Question ID: 98958013200
Status: Answered
Chosen Option: 2

Q.2 A sum of ₹15,000 is lent at 16% p.a. compound interest. What is the difference between the compound interest for the second year and the third year?

Ans

1. ₹554
2. ₹445.44
3. ₹454.88
4. ₹548

Question ID: 98958013202
Status: Not Answered
Chosen Option: --

Q.3 The value of \((5 + 3 \div 5 \times 5) \div (3 \div 3 \text{ of } 6)\) of \((4 \times 4 \div 4 \text{ of } 4 + 4 \div 4 \times 4)\) is:

Ans

1. \(\frac{8}{5}\)
2. \(\frac{7}{3}\)
3. \(\frac{9}{5}\)
4. \(\frac{6}{3}\)

Question ID: 98958013196
Status: Not Answered
Chosen Option: --

Q.4 The average of thirteen numbers is 80. The average of the first five numbers is 74.5 and that of the next five numbers is 82.5. The 11th number is 6 more than the 12th number and the 12th number is 6 less than the 13th number. What is the average of the 11th and the 13th numbers?

Ans

1. 87
2. 86
3. 86.5
4. 87.5

Question ID: 98958013197
Status: Answered
Chosen Option: 4

Q.5 A shopkeeper marks his goods at 40% more than their cost price and allows a discount of 25% on the marked price. His gain or loss percent is:

Ans

1. 5% loss

Question ID: 98958013198
Status: Not Answered
Chosen Option: --
2. 15% gain
3. 10% loss
4. 5% gain

Q.6
If \(ab + bc + ca = 8\) and \(a^2 + b^2 + c^2 = 20\), then a possible value of
\[
\frac{1}{2}(a + b + c)[(a - b)^2 + (b - c)^2 + (c - a)^2]
\] is:

\begin{align*}
\text{Ans} & \\
1. & 72 \\
2. & 56 \\
3. & 84 \\
4. & 80
\end{align*}

Q.7
\[
\frac{\sin\theta - \cos\theta + 1}{\sin\theta + \cos\theta - 1} = ?
\]

\begin{align*}
\text{Ans} & \\
1. & \sec\theta \sin\theta \\
2. & \sec\theta \tan\theta \\
3. & \sec\theta + \tan\theta \\
4. & \sec\theta - \tan\theta
\end{align*}

Q.8
The income of A is 50% more than that of B. If the income of A is increased by 40% and the income of B is increased by 90%, then the percentage increase in their combined income will be:

\begin{align*}
\text{Ans} & \\
1. & 64 \\
2. & 55 \\
3. & 60 \\
4. & 70
\end{align*}

Q.9
A circle is inscribed in \(\triangle ABC\), touching \(AB\) at \(P\), \(BC\) at \(Q\) and \(AC\) at \(R\). If \(AR = 5\, \text{cm}\), \(RC = 6\, \text{cm}\) and \(AB = 12\, \text{cm}\), then the perimeter of \(\triangle ABC\) is:

\begin{align*}
\text{Ans} & \\
1. & 40\, \text{cm} \\
2. & 32\, \text{cm} \\
3. & 37\, \text{cm}
\end{align*}
4. 36 cm

Q.10 If \((8x^3 - 27y^3) + (2x - 3y) = (Ax^2 + Bxy + Cy^2)\), then the value of \((2A + B - C)\) is:

Ans

\[
\begin{array}{l}
\times 1. 4 \\
\times 2. 6 \\
\checkmark 3. 5 \\
\times 4. 3 \\
\end{array}
\]

Q.11 If the 8-digit number 2074xy2 is divisible by 88, then the value of \((4x + 3y)\) is:

Ans

\[
\begin{array}{l}
\times 1. 49 \\
\times 2. 36 \\
\times 3. 42 \\
\checkmark 4. 45 \\
\end{array}
\]

Q.12 Pipes A and B can fill a tank in one hour and two hours respectively while pipe C can empty the filled up tank in one hour and fifteen minutes. A and C are turned on together at 9 a.m. After 2 hours, only A is closed and B is turned on. When will the tank be emptied?

Ans

\[
\begin{array}{l}
\times 1. 12:10 \ p.m. \\
\times 2. 11:30 \ a.m. \\
\times 3. 10:30 \ a.m. \\
\checkmark 4. 12:20 \ p.m. \\
\end{array}
\]

Q.13 ABCD is a cyclic quadrilateral whose diagonals intersect at P. If \(AB = BC\), \(\angle DBC = 70^\circ\) and \(\angle BAC = 30^\circ\), then the measure of \(\angle DPC\) is:

Ans

\[
\begin{array}{l}
\times 1. 35^\circ \\
\checkmark 2. 50^\circ \\
\times 3. 55^\circ \\
\times 4. 30^\circ \\
\end{array}
\]
The table shows the production of different types of cars by a company (in thousands) in 5 years.

<table>
<thead>
<tr>
<th>Year</th>
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If the data related to the production of cars in 2018 is represented by pie chart, then the central angle of the sector representing the production of type C cars will be:

Ans:  
1. 72°  
2. 59°  
3. 93°  
4. 91°  

Q.15 When x is subtracted from each of 21, 32, 60 and 64, the numbers so obtained, in this order, are in proportion. What is the mean proportional between \((x + 1)\) and \((7x + 8)\)?

Ans:  
1. 27  
2. 18  
3. 24  
4. 21

Q.16 The table shows the production of different types of cars by a company (in thousands) in 5 years.

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The average production of type D cars in 5 years is what percent less than the production of type E cars in 2018? (Correct to one decimal place)

Ans:  
1. 18.6  
2. 16.8  
3. 15.9  
4. 17.4

Q.17 The table shows the production of different types of cars by a company (in thousands) in 5 years.

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The total production of type B cars in all the five years is what percent more than the total production of type A, B and D cars in 2017?
Q.18  G is the centroid of the triangle ABC, where AB, BC and CA are 7 cm, 24 cm and 25 cm respectively, then BG is:

\[ \frac{1}{3} \text{ cm} \]
\[ \frac{2}{3} \text{ cm} \]
\[ \frac{5}{2} \text{ cm} \]
\[ \frac{4}{6} \text{ cm} \]

Q.19  If \( x = a + \frac{1}{a} \) and \( y = a - \frac{1}{a} \) then \( \sqrt{x^4 + y^4 - 2x^2y^2} \) is equal to:

\[ 16a^2 \]
\[ 8 \]
\[ \frac{8}{a^2} \]
\[ 4 \]

Q.20  The volume of a metallic cylindrical pipe is 7480 cm\(^3\). If its length is 1.4 m and its external radius is 9 cm, then its thickness (given \( \pi = \frac{22}{7} \)) is:

\[ 1 \text{ cm} \]
\[ 0.8 \text{ cm} \]
\[ 0.9 \text{ cm} \]
\[ 1.2 \text{ cm} \]

Q.21  The value of \( \sqrt{\sec^2 \theta + \csc^2 \theta} \times \sqrt{\tan^2 \theta - \sin^2 \theta} \) is equal to:

\[ \csc \theta \sec^2 \theta \]
2. \( \sin \theta \sec^2 \theta \)

3. \( \sin \theta \cos^2 \theta \)

4. \( \csc \theta \cos^2 \theta \)

Q.22 ABCD is a trapezium in which \( AB \parallel DC \) and its diagonals intersect at \( P \). If \( AP = (3x-1) \) cm, \( PC = (5x-3) \) cm, \( BP = (2x+1) \) cm and \( PD = (6x-5) \) cm, then the length of \( DB \) is:

\[ \begin{align*}
\text{Ans} & \\
1. & 14 \text{ cm} \\
2. & 12 \text{ cm} \\
3. & 10 \text{ cm} \\
4. & 16 \text{ cm}
\end{align*} \]

Q.23 If \( 12 \cot^2 \theta - 31 \csc \theta + 32 = 0 \), \( 0^\circ < \theta < 90^\circ \), then the values of \( \tan \theta \) will be:

\[ \begin{align*}
\text{Ans} & \\
1. & \frac{3\sqrt{7}}{7} \\
2. & \frac{5\sqrt{7}}{7} \\
3. & \frac{4}{3} \\
4. & \frac{4}{5}
\end{align*} \]

Q.24 A and B are travelling towards each other from the points \( P \) and \( Q \) respectively. After crossing each other, \( A \) and \( B \) take \( 6\frac{1}{2} \) hours and \( 8 \) hours, respectively, to reach their destinations \( Q \) and \( P \), respectively. If the speed of \( B \) is \( 16.8 \text{ km/h} \), then the speed (in \( \text{km/h} \)) of \( A \) is:

\[ \begin{align*}
\text{Ans} & \\
1. & 20.8 \\
2. & 19.8 \\
3. & 19.2 \\
4. & 20.4
\end{align*} \]
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<td>52</td>
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<td>2017</td>
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<tr>
<td>2019</td>
<td>38</td>
<td>40</td>
<td>54</td>
<td>69</td>
<td>78</td>
</tr>
</tbody>
</table>

What is the ratio of the total production of type C cars in 2015 and type D cars in 2017 taken together to the total production of type B cars in 2016 and type A cars in 2017 taken together?

Ans

1. 12 : 11
2. 13 : 10
3. 11 : 9
4. 4 : 3

Q.1 Select the word which means the same as the group of words given.

an enclosure to keep the birds in

Ans

1. aviary
2. apiary
3. stable
4. sanctuary

Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

If you listen to the English news, it improve your English.

Ans

1. it is improving
2. it will improve
3. it improved
4. No improvement

Q.3 Select the most appropriate meaning of the given idiom.

give someone the cold shoulder

Ans

1. ignore someone
2. give away a secret
3. do something pointless
4. pamper someone
Q. 4 Select the antonym of the given word.

EMINENT

Ans  
1. exalted
2. inconspicuous
3. impressive
4. distinguished

Q. 5 Select the word which means the same as the group of words given.

An inscription on a tombstone written in memory of the deceased

Ans  
1. pillar
2. epitaph
3. slab
4. basilica

Q. 6 Select the most appropriate meaning of the given idiom.

pull yourself together

Ans  
1. go to sleep
2. calm down
3. try to understand
4. do a good job

Q. 7 Select the most appropriate option for blank No. 1.

Ans  
1. against
Pigeon racing has become increasingly popular in parts of China (1) among the country's elite and its middle class. Sun Yan, the deputy general-secretary of Beijing Racing Pigeons Association, (2) clarified that at least 100,000 pigeon breeders live in Beijing, and (3) almost 90,000 of them are registered with Racing Pigeons Associations at (4) utmost levels, to qualify for the games held in the spring and autumn. Competitions can be lucrative for (5) utmost owners, with some prizes amounting to tens of thousands of dollars. Liu said in recent years, pigeon racing has been surging in popularity across China.

SubQuestion No : 8
Q.8 Select the most appropriate option for blank No. 2.
Ans
✓ 1. said
✗ 2. clarified
✗ 3. told
✗ 4. advised

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Pigeon racing has become increasingly popular in parts of China (1) among the country's elite and its middle class. Sun Yan, the deputy general-secretary of Beijing Racing Pigeons Association, (2) clarified that at least 100,000 pigeon breeders live in Beijing, and (3) almost 90,000 of them are registered with Racing Pigeons Associations at (4) utmost levels, to qualify for the games held in the spring and autumn. Competitions can be lucrative for (5) utmost owners, with some prizes amounting to tens of thousands of dollars. Liu said in recent years, pigeon racing has been surging in popularity across China.

SubQuestion No : 9
Q.9 Select the most appropriate option for blank No. 3.
Ans
✗ 1. utmost
✓ 2. almost
✗ 3. nearby
✗ 4. exact

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Pigeon racing has become increasingly popular in parts of China (1) among the country's elite...
Pigeon racing has become increasingly popular in parts of China (1) different the country's elite and its middle class. Sun Yan, the deputy general-secretary of Beijing Racing Pigeons Association,(2) differed that at least 100,000 pigeon breeders live in Beijing, and (3) differential 90,000 of them are registered with Racing Pigeons Associations at (4) different levels, to qualify for the games held in the spring and autumn. Competitions can be lucrative for (5) owners, with some prizes amounting to tens of thousands of dollars. Liu said in recent years, pigeon racing has been surging in popularity across China.

Q.10 Select the most appropriate option for blank No. 4.
Ans
1. different
2. differed
3. differential
4. differ

Q.11 Select the most appropriate option for blank No. 5.
Ans
1. pigeons
2. birds
3. animal
4. bird

Q.12 Select the wrongly spelt word.
Ans
1. explain
2. except
3. expire
4. experience

Q.13 Select the correct active form of the given sentence.
Their children were brought up with great care.
Ans
1. They had brought up their children with great care.
2. Their children brought them up with great care.
3. They brought up their children with great care.

4. They have been bringing up their children with great care.

Q.14 Select the most appropriate word to fill in the blank.

There is hope that better forestry management will help in the ______ of the wild life that is constantly facing threat because of increasing human activities.

Ans

1. salvation
2. guarding
3. supervision
4. conservation

Q.15 In the sentence identify the segment which contains the grammatical error.

Cyclone Idai is regarded as one of the worst tropical cyclone on record to affect Africa and the Southern Hemisphere as a whole.

Ans

1. Cyclone Idai is regarded
2. the worst tropical cyclone
3. as a whole
4. to affect Africa

Q.16 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

I try to solve this problem at least for two hours.

Ans

1. am try to solve
2. have been trying to solve
3. tried to be solving
4. No improvement

Q.17 Select the synonym of the given word.

INDELIBLE

Ans

1. illegal
2. illegible
3. inerasable
Q.18 Select the antonym of the given word.

AGONY

Ans

1. anxiety
2. distress
3. comfort
4. misery

Q.19 In the sentence identify the segment which contains the grammatical error.

Every employee of the company were given a two bedroom flat as Diwali bonus.

Ans

1. as Diwali bonus
2. a two bedroom flat
3. Every employee
4. were given

Q.20 Select the most appropriate word to fill in the blank.

The burning of the effigy of Ravana on Dussehra ______ the burning of all evils.

Ans

1. epitomizes
2. intensifies
3. personifies
4. symbolizes

Q.21 Given below are four jumbled sentences. Select the option that gives their correct order.

A. Mango, the so-called "king of fruits", is something of a national obsession in India.
B. There was a bumper crop of mangoes in different states.
C. It resulted in prices coming down and sales going up – much to the delight of buyers and sellers alike.
D. 2017 proved to be a very good year for mango lovers.

Ans

1. ADBC
2. CDAB
3. CADB
4. ADCB
Q.22 Select the correct passive form of the given sentence.

At night, lock the outer gate.

Ans

1. The outer gate is requested to be locked at night.
2. The outer gate be locked at night.
3. Let the outer gate be locked at night.
4. The outer gate is locked at night.

Q.23 Select the synonym of the given word.

TRIUMPH

Ans

1. fight
2. victory
3. attack
4. peace

Q.24 Given below are four jumbled sentences. Select the option that gives their correct order.

A. Around 600 million of them live in areas of high to extreme water stress.
B. India is suffering from the worst water crisis, with one billion people living in water scarcity.
C. This is even more than that of China and US combined.
D. The reason is that at 24 per cent, India uses the most groundwater drawn out globally.

Ans

1. BADC
2. ACBD
3. ADCB
4. BDAC

Q.25 Select the wrongly spelt word.

Ans

1. contemporay
2. cooperation
3. controversial
4. conquer
CGLE- Combined Graduate Level Tier-I, 2018 Examination

Section : General Intelligence and Reasoning

Q.1 In a family of eight persons, there are two couples, each having two children. C and D are cousin brothers. The father of E is married to O, who is the aunt of F; F’s mother, H, is married to B, the brother of A. C is the nephew of H. How is A related to D?

Ans
1. Uncle
2. Brother
3. Nephew
4. Father

Question ID : 98958013658
Status : Not Answered
Chosen Option : --

Q.2 ‘Dumbness’ is related to ‘Speech’ in the same way as ‘_____’ is related to ‘Memory’.

Ans
1. Thoughtlessness
2. Amnesia
3. Recognition
4. Illusion

Question ID : 98958013653
Status : Answered
Chosen Option : 2

Q.3 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(15, 22, 31)

Ans
1. (7, 14, 23)
2. (5, 11, 20)
3. (23, 30, 40)
4. (11, 18, 29)

Question ID : 98958013663
Status : Answered
Chosen Option : 1

Q.4 Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

d_a_b_c  e_b_c_d  b_a_c

Ans
1. dbacb
2. cbadab
3. bdacbc

Downloaded from - www.exammix.com
Q.5 Select the Venn diagram that best illustrates the relationship between the following classes.

Doctors, Salaried Persons, Parents

Ans

Question ID: 98958013657
Status: Not Answered
Chosen Option: --

Q.6 Select the option that is related to the third term in the same way as the second term is related to the first term.

Happy : Mirthful : Sad : ?

Ans

Question ID: 98958013673
Status: Answered
Chosen Option: 3

Q.7
Two different positions of the same dice are shown. Which number will be at the top if 1 is at the bottom?

![Dice Image]

Ans

1. 4
2. 2
3. 6
4. 5

Q.8 Which number will replace the question mark (?) in the following series?

2, 3, 6, 10, 17, 28, ?

Ans

1. 45
2. 39
3. 43
4. 46

Q.9 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans

1. ZOOM
2. PAST
3. BIRD
4. DECK

Q.10 Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.

28 : 63

Ans

1. 16 : 36
2. 36 : 78
3. 12 : 28
4. 48 : 98

Q.11 तीन सिलसिला धार शतांत्र में से तीन शतांत्र किसी प्रकार से एक समान है और एक शतांत्र असमान है। असमान शतांत्र का प्रयोग कीजिए।

Ans

1. अमरुद
2. अनार
3. खीरा
4. पत्ता

Q.12  ₹20 is divided among 6 men, 8 women and 12 boys in such a way that every woman gets an amount equal to that received by one man and one boy combined and that every man gets one and a half times the amount received by a boy. What is the total amount received by 8 women?

Ans
1. ₹400
2. ₹300
3. ₹240
4. ₹380

Q.13 Select the figure that will come next in the following figure series.

Ans
1. 
2. 
3. 
4. 

Q.14  A square paper is folded and cut as shown below. How will it appear when unfolded?

Ans

1.

2.

3.

4.

Q.15  Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

Ans
Q.16 Arrange the following words in a logical and meaningful order:

1. Writing
2. Distributing
3. Publishing
4. Printing
5. Editing

Ans 1, 2, 3, 4, 5
Q.17 If POSTER is coded as 592314 and DARK is coded as 8647, then how will STROKE be coded as?

Ans

1. 234917
2. 234971
3. 493287
4. 329417

Question ID: 98958013650
Status: Answered
Chosen Option: 4

Q.18 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

JKLM: HLKO = PQRS : ?

Ans

1. NRQU
2. MRQV
3. NQRU
4. ORQT

Question ID: 98958013656
Status: Answered
Chosen Option: 2

Q.19 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(12, 16, 28)

Ans

1. (18, 24, 42)
2. (9, 15, 21)
3. (36, 48, 77)
4. (20, 25, 35)

Question ID: 98958013649
Status: Answered
Chosen Option: 1

Q.20 Which two signs should be interchanged in the following equation to make it correct?

12 - 6 ÷ 12 × 6 + 6 = 9

Ans

1. + and ×
2. + and ÷
3. - and +
4. × and +

Question ID: 98958013664
Status: Answered
Chosen Option: 1
Q.21 Select the option in which the given figure is embedded.

Ans

1. 

2. 

3. 

4. 

---

Q.22
Two statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
Some students are players.
Some players are athletes.

Conclusions:
I. Some students are athletes.
II. Some players are students.
III. No student is an athlete.

Ans

✓ 1. Only conclusion II and either conclusion I or III follow
✗ 2. None of the conclusions follows
✓ 3. Only conclusion I follows
✓ 4. Only conclusions II and III follow

Q.23 Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

Ans

✓ 1. 166
✗ 2. 341
✗ 3. 132
✗ 4. 209

Q.24 In a code language, TEACHING is written as SDRDHOHI. How will BOOKWORM be written as in that language?

Ans

✗ 1. ANPLXNNS
✗ 2. ANPLXPSL
✓ 3. CPNJXPSL
✓ 4. ANPLVNSN

Q.25 How many triangles are there in the following figure?

Ans

✗ 1. 12
Q.1 _______ is a scientific discipline concerned with the study of plant pollen, spores, and certain microscopic planktonic organisms, in both, living and fossil form.

Ans
1. Paleobotany
2. Ethnobotany
3. Dendrology
4. Palynology

Q.2 _____ is the branch of zoology concerned with the study of amphibians.

Ans
1. Herpetology
2. Ethology
3. Mammology
4. Morphology

Q.3 _____ is the study of the microanatomy of cells, tissues and organs as seen through a microscope.

Ans
1. Paleontology
2. Histology
3. Ichthyology
4. Entomology

Q.4 Kala Bhavana, founded in 1919, is a noted institution of education and research in visual arts. It is located in _______.

Ans
1. Bihar
2. Uttar Pradesh
3. West Bengal
4. Sikkim

Q.5 Which of the following passes connects Tawang with Lhasa?

Ans
1. Chankan Pass
Q.6 Poush Mela displays local artisans displaying folk dances, music, food and culture of _____.

Ans

1. Gujarat
2. West Bengal
3. Rajasthan
4. Uttarakhand

Q.7 Pramod Sawant became Chief Minister of which Indian state in March, 2019?

Ans

1. Tamil Nadu
2. Goa
3. Kerala
4. Maharashtra

Q.8 In March 2019, who among the followings was appointed as India’s first Lokpal?

Ans

1. Justice A K Sikri
2. Justice N V Ramana
3. Justice Pinaki Chandra Ghose
4. Justice S A Bobde

Q.9 In March 2019, India won five silver medals at the Makran Cup Boxing Tournament in Iran. Who among the following is NOT one of the silver medallists?

Ans

1. Duryodhan Singh Negi
2. P Lalitha Prasad
3. Deepak Singh
4. Manish Kaushik

Q.10 The invasion of Delhi by Timur in ____ A.D marked the end of the Tughlaq empire.

Ans

1. 1645
2. 1398
3. 1452

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<thead>
<tr>
<th>Question ID</th>
<th>Status</th>
<th>Chosen Option</th>
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<tr>
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</tr>
<tr>
<td>98958014197</td>
<td>Answered</td>
<td>4</td>
</tr>
</tbody>
</table>

### Q.11 Who among the following was one of the Governors during the reign of Alauddin Khilji?

**Ans**
- 1. Jalal-ud-din Khilji
- 2. Shams-ud-din Iltutmish
- 3. Ghiyasuddin Tughlaq
- 4. Nasiruddin Mahmud

### Q.12 TV remote controls work on the principle of ______.

**Ans**
- 1. Ultrasonic waves
- 2. Laser technology
- 3. Bluetooth technology
- 4. Infrared waves

### Q.13 Who was appointed as the director of Bhabha Atomic Research Centre (BARC) for a period of three years in March 2019?

**Ans**
- 1. Vishvapavan Pati
- 2. Kamlesh Nilkanth Vyas
- 3. Satyajeet Rajan
- 4. Ajit Kumar Mohanty

### Q.14 Government of India nominated member of NITI Aayog, _____ to head the Food and Agricultural Organisation (FAO) in March 2019.

**Ans**
- 1. Ramesh Chand
- 2. Binay Ranjan Sen
- 3. K V Paul
- 4. Amitabh Kant

### Q.15 Who founded the Sayyid dynasty?

**Ans**
- 1. Nizam Shah
- 2. Muhammad-bin-Farid
- 3. Khizr Khan
- 4. Bahlul Khan
Q.16 Majuli, the largest river island in the world is located in
Ans
1. Arunachal Pradesh
2. Assam
3. Nagaland
4. Uttar Pradesh

Q.17 Which of the following passes is known as the gateway connecting Jammu and Srinagar?
Ans
1. Lanak-La Pass
2. Chang-La Pass
3. Banihal Pass
4. Aghil Pass

Q.18 ______ in Himachal Pradesh is a famous tourist attraction.
Ans
1. Aghil Pass
2. Chang-La Pass
3. Mintaka Pass
4. Rohtang Pass

Q.19 In March 2019, the government of India appointed ______ as the director-general of the National Archives of India.
Ans
1. Kamlesh Vyas
2. Binay Sen
3. V K Paul
4. P V Ramesh

Q.20 A sustained rise in the general price level in an economy is called ______.
Ans
1. Disinflation
2. Deflation
3. Inflation
4. Stagflation
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q.22 _______ was observed nationwide from 24th to 30th April, 2019.</td>
<td>1. World Immunization Week</td>
</tr>
<tr>
<td>Q.23 Rust needs three components to occur, i.e., ______.</td>
<td>2. Iron, oxygen and moisture</td>
</tr>
<tr>
<td>Q.24 _______ created history in its second Twenty20 International against Ireland by achieving the highest ever T20 total at the Rajiv Gandhi International Cricket Stadium in Dehradun, Uttarakhand.</td>
<td>3. Afghanistan</td>
</tr>
<tr>
<td>Q.25 Which of the following articles promotes equal justice and free legal aid for all the citizens?</td>
<td>1. 39A</td>
</tr>
</tbody>
</table>
Q.1 The efficiencies of A, B and C are in the ratio 5 : 3 : 8. Working together they can complete a work in 30 days. A and B worked together for 20 days. The remaining work will be completed by C alone in:

Ans
- 1. 40 days
- 2. 36 days
- 3. 30 days
- 4. 32 days

Question ID: 98958013231
Status: Answered
Chosen Option: 4

Q.2 If \( \frac{\cos^2 \theta}{\cot^2 \theta - \cos^2 \theta} = 3, 0^\circ < \theta < 90^\circ \), then the value of \( \cot \theta + \csc \theta \) is:

Ans
- 1. \( \sqrt{3} \)
- 2. \( \frac{\sqrt{3}}{2} \)
- 3. \( 2\sqrt{3} \)
- 4. \( \frac{3\sqrt{3}}{4} \)

Question ID: 98958013242
Status: Answered
Chosen Option: 1

Q.3 In \( \triangle ABC \) with sides 6 cm, 7 cm and 8 cm, the angle bisector of the largest angle divides the opposite side into two segments. What is the length of the shorter segment?

Ans
- 1. \( \frac{24}{5} \) cm
- 2. \( \frac{21}{5} \) cm
- 3. \( \frac{48}{13} \) cm
- 4. \( \frac{56}{12} \) cm

Question ID: 98958013241
Status: Answered
Chosen Option: 3

Q.4 The distance between two stations A and B is 500 km. A train X starts from A and moves towards B at 40 km/h and another train Y starts from B and moves towards A at 60 km/h. How far from A will they cross each other?

Ans
- 1. 380 km
- 2. 320 km
- 3. 300 km
- 4. 360 km

Question ID: 98958013232
Status: Answered
Chosen Option: 4

Q.5 If \( 2x^2 + y^2 + 6x - 2xy + 9 = 0 \), then the value of \( (4x^3 - y^3 + x^2y^2) \) is:

Ans
- 1. 0
- 2. 9
Q.6 The vertices of a $\triangle PQR$ lie on a circle with centre O. SR is a tangent to the circle at the point R. If QR bisects $\angle OBS$, then what is the measure of $\angle RPQ$?

Ans

1. 60°
2. 45°
3. 40°
4. 30°

Q.7 In a circle with centre O, ACBO is a parallelogram where C is a point on the minor arc AB. What is the measure of $\angle AOB$?

Ans

1. 150°
2. 100°
3. 110°
4. 120°

Q.8 If $\sin \theta = 4 \cos \theta$, then what is the value of $\sin \theta \cos \theta$?

Ans

1. $\frac{2}{9}$
2. $\frac{3}{10}$
3. $\frac{4}{17}$
4. $\frac{2}{4}$

Q.9 ABDC is a parallelogram in which diagonals AD and BC intersect at O. AE and DF are perpendiculars on BC at E and F respectively. Which of the following is NOT true?

Ans

1. $\triangle ABC \cong \triangle DCB$
2. $\triangle AOE \cong \triangle DOF$
3. $\triangle AEB \cong \triangle DFC$
4. $\triangle ADC \cong \triangle ABD$

Q.10
The average of twelve numbers is 46. The average of the first four numbers is 43 and that of the last five numbers is 49.4. The 5th and the 6th numbers are respectively 4 and 6 more than the 7th number. What is the average of the 5th and the 6th numbers?

Ans

\[ \frac{9}{15} \text{ of } \left( \frac{2}{3} + \frac{2}{3} \text{ of } \frac{2}{3} \right) \div \left( \frac{2}{4} \times \frac{2}{4} + \frac{2}{4} \text{ of } \frac{2}{5} \right) \text{ of } \left( \frac{2}{3} \div \frac{2}{5} \text{ of } \frac{4}{5} \right) \text{ is:} \]

Ans

If \( x + y = 12 \) and \( xy = 27, x > y \), then the value of \((x^2 - y^2)\) is:

Ans

What is the compound interest on a sum of \( \text{Rs}\, 10,000 \) at 14% p.a. for \( 2 \frac{1}{2} \) years where the interest is compounded yearly?

Ans

Abhi bought two articles for \( \text{Rs}\, 624 \). He sold one at a loss of 14% and the other at a profit of 14%. If the selling price of both the articles is equal, then the difference between their cost prices (in \( \text{Rs}\)) is:
Q.15 The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>Type A</th>
<th>Type B</th>
<th>Type C</th>
<th>Type D</th>
<th>Type E</th>
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<td>60</td>
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<td>2013</td>
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<td>48</td>
<td>59</td>
<td>65</td>
<td>74</td>
<td>55</td>
</tr>
</tbody>
</table>

The total production of type E cars in 2012 and 2013 is approximately what percent more than the average production of type A cars during the years 2012 to 2016?

Ans 1. 53.8
2. 55.2
3. 52.2
4. 56.4

Q.16 The length of a metallic pipe is 7.56 m. Its external and internal radii are 2.5 cm and 1.5 cm respectively. If 1 cm³ of the metal weighs 7.5 g, then the weight of the pipe is. (Take \( \pi = \frac{22}{7} \))

Ans 1. 72.82 kg
2. 70.14 kg
3. 71.28 kg
4. 69.68 kg

Q.17 Let \( a = \frac{2 \sin x}{1+\sin x+\cos x} \) and \( b = \frac{e^x}{1+\sin x} \). Then \( a = b \), if \( c = ? \)

Ans 1. \( 1 - \sin x \cos x \)
2. \( 1 + \sin x - \cos x \)
3. \( 1 + \sin x \cos x \)
4. \( 1 + \cos x - \sin x \)

Q.18 If \( x^2 + y^2 + z^2 = 133, xy + yz + zx = 114 \) and \( xyz = 216 \), then the value of \( x^3 + y^3 + z^3 \) is:

Ans 1. 948
2. 999
3. 942
4. 1009
The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>50</td>
<td>55</td>
<td>49</td>
<td>51</td>
<td>53</td>
</tr>
<tr>
<td>B</td>
<td>40</td>
<td>45</td>
<td>40</td>
<td>41</td>
<td>42</td>
</tr>
<tr>
<td>C</td>
<td>60</td>
<td>65</td>
<td>60</td>
<td>61</td>
<td>62</td>
</tr>
<tr>
<td>D</td>
<td>80</td>
<td>85</td>
<td>80</td>
<td>81</td>
<td>82</td>
</tr>
<tr>
<td>E</td>
<td>100</td>
<td>105</td>
<td>100</td>
<td>101</td>
<td>102</td>
</tr>
</tbody>
</table>

The total production of all types of cars, except type B, in 2012 is what percent less than the total production of all types of cars in 2016?

**Ans**

1. 40
2. 25.8
3. 26.7
4. 42

---

Q.20

The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
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</thead>
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<td>51</td>
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<tr>
<td>B</td>
<td>40</td>
<td>45</td>
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<td>62</td>
</tr>
<tr>
<td>D</td>
<td>80</td>
<td>85</td>
<td>80</td>
<td>81</td>
<td>82</td>
</tr>
<tr>
<td>E</td>
<td>100</td>
<td>105</td>
<td>100</td>
<td>101</td>
<td>102</td>
</tr>
</tbody>
</table>

If the data related to the production of type D cars is represented by a pie chart, then the central angle of the sector representing the production of cars in 2013 will be:

**Ans**

1. 84°
2. 75°
3. 60°
4. 77°

---

Q.21

The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>50</td>
<td>55</td>
<td>49</td>
<td>51</td>
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<td>B</td>
<td>40</td>
<td>45</td>
<td>40</td>
<td>41</td>
<td>42</td>
</tr>
<tr>
<td>C</td>
<td>60</td>
<td>65</td>
<td>60</td>
<td>61</td>
<td>62</td>
</tr>
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<td>85</td>
<td>80</td>
<td>81</td>
<td>82</td>
</tr>
<tr>
<td>E</td>
<td>100</td>
<td>105</td>
<td>100</td>
<td>101</td>
<td>102</td>
</tr>
</tbody>
</table>

What is the ratio of the total production of type E cars in 2014 and type C cars in 2016 taken together to the total production of type B cars in 2014 and type D cars in 2013 taken together?

**Ans**

1. 9 : 8
2. 10 : 7
3. 11 : 8
4. 11 : 5

---

Q.22

When the price of an item was reduced by 20%, then its sale increased by x%. If there is an increase of 60% in the receipt of the revenue, then the value of x is:

**Ans**

1. 120
2. 96
3. 100
4. 80
Q.23 The ratio of the present ages of A and B is 8 : 9. After 9 years, this ratio will become 19 : 21. C is 3 years younger to B. What is the present age (in years) of C?

Ans
1. 49
2. 48
3. 51
4. 52

Question ID: 98958013229
Status: Answered
Chosen Option: 3

Q.24 If a 9-digit number 32a4113y2 is divisible by 88, then the value of \((4x - y)\) for the smallest possible value of \(y\), is:

Ans
1. 31
2. 20
3. -1
4. 11

Question ID: 98958013224
Status: Answered
Chosen Option: 3

Q.25 A trader marks his goods at 40% above the cost price. He sells 70% of the goods at the marked price and the rest, he sells by allowing a 40% discount on the marked price. His percentage profit is:

Ans
1. 23.4
2. 24.2
3. 23.2
4. 24.4

Question ID: 98958013227
Status: Answered
Chosen Option: 3

Section: English Comprehension

Q.1 Given below are four jumbled sentences. Select the option that gives their correct order.

A. Canada accounts for nearly one-third of the world's production of news print.
B. Forest products, therefore, have been important export items of Canada for more than a century.
C. A large part of Canada is covered with coniferous trees.
D. Pulp and paper are the two most important forest products.

Ans
1. ABCD
2. DCAB
3. CBDA
4. BACD

Question ID: 98958012525
Status: Answered
Chosen Option: 1

Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

The Head has been so busy to go through these files and resolve the matter.

Ans
1. such busy to go through
2. too busy to go through
Q.3 Select the correct active form of the given sentence.
The wall of this park is being painted by children.

Ans
1. Children are painting the wall of this park.
2. The wall is painting children of this park.
3. Children have been painting the wall of this park.
4. Children painted the wall of this park.

Q.4 Select the synonym of the given word.
ENTICE

Ans
1. ensue
2. entail
3. enrage
4. entrap

Q.5 Select the synonym of the given word.
DUBIOUS

Ans
1. certain
2. fishy
3. loyal
4. steady

Q.6 Select the antonym of the given word.
FINITE

Ans
1. finished
2. limited
3. bound
4. endless

Q.7 Select the most appropriate meaning of the given idiom.
Couch potato
Q.8 Select the wrongly spelt word.

Ans

1. rendezvous 
2. renassaince
3. remuneration
4. remonstrate

Question ID: 98958012535
Status: Answered
Chosen Option: 2

Q.9 Select the most appropriate option to fill in the blank.

In many countries the ______ in pay for men and women is quite common, for example, in Germany women are paid 21 per cent less as compared to men.

Ans

1. unlikeliness
2. equivalence
3. disagreement
4. disparity

Question ID: 98958012537
Status: Answered
Chosen Option: 4

Q.10 Select the most appropriate meaning of the given idiom.

Lead someone by the nose

Ans

1. to do the right thing
2. to force someone to take the blame
3. to dominate someone
4. to quarrel with someone

Question ID: 98958012531
Status: Answered
Chosen Option: 3

Q.11 Select the wrongly spelt word.

Ans

1. megre
2. meadow
3. matter
4. measure

Question ID: 98958012534
Status: Answered
Chosen Option: 1
You won't tell the secret, won't you?

Ans:  
1. No improvement  
2. would you  
3. will you  
4. isn't it

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In 1914 a war began in Europe which engulfed the entire world. The damage (1)______ by this war has no precedent in history. (2)______ the earlier wars, the civilian populations were (3)______ not involved and the casualties were mostly (4)______ to the warring armies. The war (5)______ began in 1914 was a total war in which all the resources of the warring states were mobilized.

SubQuestion No : 13
Q.13 Select the most appropriate option for blank No. 1.

Ans:  
1. made  
2. caused  
3. generated  
4. began

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In 1914 a war began in Europe which engulfed the entire world. The damage (1)______ by this war has no precedent in history. (2)______ the earlier wars, the civilian populations were (3)______ not involved and the casualties were mostly (4)______ to the warring armies. The war (5)______ began in 1914 was a total war in which all the resources of the warring states were mobilized.

SubQuestion No : 14
Q.14 Select the most appropriate option for blank No. 2.

Ans:  
1. At  
2. Into  
3. In  
4. On

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In 1914 a war began in Europe which engulfed the entire world. The damage (1)______ by this war has no precedent in history. (2)______ the earlier wars, the civilian populations were (3)______ not involved and the casualties were mostly (4)______ to the warring armies. The war (5)______ began in 1914 was a total war in which all the resources of the warring states were mobilized.

SubQuestion No : 15
Q.15 Select the most appropriate option for blank No. 3.
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In 1914 a war began in Europe which engulfed the entire world. The damage (1) generally by this war has no precedent in history. (2) Broadly the earlier wars, the civilian populations were (3) chiefly not involved and the casualties were mostly (4) bound to the warring armies. The war (5) which began in 1914 was a total war in which all the resources of the warring states were mobilized.

Q.16 Select the most appropriate option for blank No. 4.

Ans 1. belonged
2. confined
3. restrained
4. bound

Q.17 Select the most appropriate option for blank No. 5.

Ans 1. which
2. whom
3. what
4. who

Q.18 Select the word which means the same as the group of words given.

Persons living at the same time

Ans 1. cosmopolitans
2. compatriots
3. colleagues
4. contemporaries
Q.19 Select the most appropriate option to fill in the blank.

Catholics and Protestants have a long history of _____ in Northern Ireland but volunteers from both communities came together to build the monument of Peace.

Ans
- 1. truce
- 2. agreement
- 3. contest
- 4. conflict

Q.20 Given below are four jumbled sentences. Select the option that gives their correct order.

A. In China, thousands of people celebrated it.
B. The Lunar New Year of the Pig began on 5th February.
C. Others burned the first joss sticks of the year to bring them good fortune.
D. Some performers re-enacted historical ceremonies.

Ans
- 1. ABCD
- 2. BADC
- 3. DABC
- 4. BDCA

Q.21 Select the correct passive form of the given sentence.

Take this suitcase upstairs.

Ans
- 1. You are requested to take this suitcase upstairs.
- 2. You must be taking this suitcase upstairs.
- 3. This suitcase should be taken upstairs.
- 4. Let this suitcase been taken upstairs.

Q.22 Select the antonym of the given word.

REPRIMAND

Ans
- 1. apprehend
- 2. reproach
- 3. compliment
- 4. blame

Q.23 In the sentence identify the segment which contains the grammatical error.

I know the cobbler which mends the shoes outside the gate of our colony.

Ans
- 1. I know the cobbler
- 2. which mends
- 3. the shoes
- 4. outside the gate of our colony
Q.24 In the sentence identify the segment which contains the grammatical error.

The street artist Satish Munjal has been painting this wall since the past one week.

Ans:
- 1. has been painting
- 2. The street artist
- 3. this wall
- 4. since the past one week

Q.25 Select the word which means the same as the group of words given.

Someone who believes that people cannot change the way events will happen

Ans:
- 1. prophet
- 2. fatalist
- 3. fanatic
- 4. seer
Q.1  Select the word-pair in which the two words are related in the same way as the two words in the following word-pair.

Author : Book

Ans

✓ 1. Spider : Web
✓ 2. Reptile : Crawl
✗ 3. Mother : Son
✗ 4. Doctor : Medicine

Question ID : 98958014229
Status : Marked For Review
Chosen Option : 1

Q.2  Select the figure in which the given figure is embedded.

Ans

✗ 1.
✗ 2.
✗ 3.
✓ 4.
Q.3 Choose the set of numbers that is similar to the following set.

\[(6, 9, 18)\]

Ans
- 1. (14, 21, 42) [✓]
- 2. (10, 15, 35) [✗]
- 3. (18, 27, 56) [✗]
- 4. (8, 14, 24) [✗]

Q.4 निम्नलिखित चार शब्दों में से तीन शब्द किसी प्रकार से एकसमान हैं और एक शब्द असमान है। असमान शब्द का प्रत्यय कीजिए।

Ans
- 1. मध्यांतर [✓]
- 2. समापन [✗]
- 3. अंत [✗]
- 4. विदाई [✗]

Q.5 Identify the mirror image of the following figure when the mirror is placed to the right of the figure.

Ans
- 1. [✗]
- 2. [✗]
- 3. [✓]
- 4. [✗]
Q.6 How many triangles are there in the following figure?

![Image of a figure with triangles]

**Ans**

1. 32
2. 24
3. 28
4. 36

Q.7 Select the term that will come in the place of ?

7, 11, 19, 31, ?, 67

**Ans**

1. 45
2. 51
3. 43
4. 47

Q.8 A letter series is given below in which some letters are missing. Select the option that gives the letters that can fill these blanks in that order.

a ca bab ad abc dcb

**Ans**

1. bdcab
2. bdcba
3. bcdba
4. bddac
Arrange the following words in a logical and meaningful order.

1. Cloud
2. Rainbow
3. Devastation
4. Rain
5. Low Pressure
6. Flood

Ans
- 1. 5, 4, 1, 2, 3, 6
- 2. 5, 1, 2, 4, 6, 3
- 3. 1, 5, 4, 2, 6, 3
- 4. 5, 1, 4, 2, 6, 3

Q.10 In a code language, SEDATIVE is coded as ATDESEVI. How would PERSONAL be coded in that language?

Ans
- 1. OSREPLAN
- 2. SOPERLAN
- 3. SOREPLAN
- 4. SOERPANL

Q.11 Select the number pair in which the two numbers are related in the same way as the two numbers of the pair given below.

35 : 6

Ans
- 1. 85 : 9
- 2. 26 : 5
- 3. 64 : 8
- 4. 120 : 11

Q.12 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans
- 1. ABOP
- 2. EFST
Q.13: What will be the value of the following equation if ‘+’ means ‘addition’, ‘-’ means ‘subtraction’, ‘×’ means ‘multiplication’ and ‘÷’ means ‘division’?

\[ 72 \times 9 - 3 \div 8 + 2 = ? \]

**Ans:**
1. 25
2. 30
3. 40
4. 35

Q.14: Choose the Venn diagram that best illustrates the relationship among the following classes:

- Women
- Entrepreneurs
- Engineers

**Ans:**
1. [Diagram 1]
2. [Diagram 2]
3. [Diagram 3]
4. [Diagram 4]

Q.15: तीन शब्द गुरुम में से तीन शब्द गुरुम किसी प्रकार से एकसमान हैं और एक शब्द गुरुम असमान है।

असमान शब्द गुरुम का चयन कीजिए।

**Ans:**
1. बगीचा : करघुल
2. अध्ययन कक्षा : टेबल लैप
3. रसोई : कढ़ाही
4. बाथरूम : शावर

Q.16 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.
Ans
1. BFMQ
2. JNPS
3. DGKL
4. GKR

Q.17 Select the figure that will come next in the following figure series.

Ans
1.
2.
3.
4.

Question ID : 98958013039
Status : Answered
Chosen Option : 1

Question ID : 98958014226
Status : Answered
Chosen Option : 3

Question ID : 98958014242
Status : Answered
Chosen Option : 4
### Q.18

Room is related to Ceiling in the same way as Mouth is related to:

- **1. Throat**
- **2. Lip**
- **3. Palate**
- **4. Teeth**

**Question ID:** 98958014228  
**Status:** Marked For Review  
**Chosen Option:** 3

---

### Q.19

Find the next number in the given series.

3, 13, 31, ?, 91

- **1. 48**
- **2. 63**
- **3. 69**
- **4. 57**

**Question ID:** 98958013041  
**Status:** Answered  
**Chosen Option:** 4

---

### Q.20

In a code language if VERY is written as UDQX, then in the same language how will you write the word URGENT?

- **1. TMSQFD**
- **2. MSQTFD**
- **3. QFDTMS**
- **4. TQFDMS**

**Question ID:** 98958013040  
**Status:** Answered  
**Chosen Option:** 4

---

### Q.21

Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

CDAF : XWZU : DEFC : ?

- **1. VVXU**
- **2. WVUX**
- **3. WVXU**
- **4. XWYV**

**Question ID:** 98958014224  
**Status:** Answered  
**Chosen Option:** 2

---

### Q.22
Select the option that is related to the third term in the same way as the second term is related to the first term.

LAMP : PALM :: MALE : ______

Ans

1. MEAL
2. ELAM
3. EAML
4. LAME

Question ID : 98958013038
Status : Answered
Chosen Option : 3

Q.23
A square paper is folded and cut as shown below. How will it appear when unfolded?

Ans

1.

Question ID : 98958014247
Status : Marked For Review
Chosen Option : 3

Q.24
Two statements are followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they do not conform to real-world knowledge, decide which of the conclusion(s) logically follow(s) from the statements.

Statements:
All ponds are pools.
Some wells are ponds.

Conclusions:
I. Some ponds are not wells.
II. Some wells are pools.
III. All pools are wells.
Q.25 Two rotated positions of a dice are given below. Which number will be at the top if the number 1 is on the bottom of the dice?

1. 2
2. 6
3. 3
4. 5

Q.1 The _____ was a group of seven Members of Parliament from the United Kingdom, constituted to suggest constitutional reforms for British India.

1. Fraser Commission
2. Hunter Commission
3. Sargent Commission
4. Simon Commission

Q.2 Who became the first Indian golfer to win on the ‘Ladies European Tour’ in 2016?

1. Gursimar Badwal
2. Diksha Dagar
3. Aditi Ashok
4. Vani Kapoor

Q.3 काश संेषण के दौरान, हरे पौधे सूय के काश से ऊजा का उपयोग कार्बन डाइऑक्साइड और पानी से _____ को संयुक्त करने के लिए करते हैं।

1. सुक्रोज
2. ग्ल्युकोज

Question ID: 98958014234
Status: Answered
Chosen Option: 2

Question ID: 98958014244
Status: Answered
Chosen Option: 3

Question ID: 98958014289
Status: Marked For Review
Chosen Option: 4

Question ID: 98958014294
Status: Answered
Chosen Option: 3
Q.4 _______ was the first and only Muslim woman to ever sit on the throne of Delhi.

Ans

- 1. Fatima Al Fihri
- 2. Gevher Sultan
- 3. Shajarat Al Durr
- 4. Razia Begum

Q.5 The Pradhan Mantri Shram Yogi Mandhan Yojana was launched by _______.

Ans

- 1. Arun Jaitley
- 2. Ram Nath Kovind
- 3. Smriti Zubin Irani
- 4. Narendra Modi

Q.6 Which of the following is NOT a symptom of Wilson's disease?

Ans

- 1. Problems with speech, swallowing or physical coordination
- 2. Uncontrolled movements or muscle stiffness
- 3. Fluid build-up in the legs or abdomen
- 4. Night blindness

Q.7 The Banking Regulation Act was passed in India in _______.

Ans

- 1. 1949
- 2. 1974
- 3. 1965
- 4. 1951

Q.8 Which of the following acid found in Apple?

Ans

- 1. Malic acid
- 2. Citric acid
- 3. Malonic acid
- 4. Fumaric acid
1. Malic Acid
2. Nitric Acid
3. Formic Acid
4. Sulphuric Acid

Q.9 The Indian Passport was ranked ____ in the 'Global Passport Index Report 2019'.

<table>
<thead>
<tr>
<th>Ans</th>
<th>1. 65th</th>
<th>2. 77th</th>
<th>3. 67th</th>
<th>4. 56th</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chosen Option</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Q.10 बेरिएक्टिक सर्जिक किसी व्यक्ति के _____ में परिवर्तन लाती है।

<table>
<thead>
<tr>
<th>Ans</th>
<th>1. हृदय</th>
<th>2. नाक की सली</th>
<th>3. फेफड़े</th>
<th>4. पाचन तंत्र</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chosen Option</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Q.11 Which one of the following was NOT a condition laid down in the Gandhi-Irwin Pact?

<table>
<thead>
<tr>
<th>Ans</th>
<th>1. The Indian National Congress should stop the civil disobedience movement</th>
<th>2. Removal of salt tax; allowing to produce, trade and sell legally</th>
<th>3. Withdrawal of tax on khadi production</th>
<th>4. Participation in the Round Table Conference by the Indian National Congress</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chosen Option</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Q.12 ____ is the largest river island in the world.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chosen Option</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Q.13 Article _____ of the Constitution of India gives the Election Commission the power to supervise elections to the Parliament and state legislatures.

 Ans  
1. 314  
2. 342  
3. 324  
4. 341

Question ID: 98958014292  
Status: Marked For Review  
Chosen Option: 3

Q.14 Who amongst the following succeeded the Mughal throne in the year 1556?

 Ans  
1. Sher Shah Suri  
2. Akbar  
3. Jehangir  
4. Shah Jahan

Question ID: 98958014287  
Status: Answered  
Chosen Option: 2

Q.15 Who was the first woman judge of the Delhi High Court?

 Ans  
1. Sujata Manohar  
2. Ruma Pal  
3. Leila Seth  
4. Anna Chandi

Question ID: 98958014291  
Status: Not Attempted and Marked For Review  
Chosen Option: --

Q.16 Which of the following is NOT a vocal form of Hindustani classical music?

 Ans  
1. Pakhawaj  
2. Drupad  
3. Tarana  
4. Dhamar

Question ID: 98958014275  
Status: Not Attempted and Marked For Review  
Chosen Option: --

Q.17 Varkala, Chowara, Chavakkad and Nattika are beaches in the state of _____.

 Ans  
1. Maharashtra  
2. Kerala  
3. Karnataka  
4. Tamil Nadu

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Q.18 The highest railway station in India is located in the state of _____.
Ans  
1. West Bengal [√] 
2. Uttar Pradesh [×] 
3. Jammu & Kashmir [×] 
4. Sikkim [×]

Q.19 ____ is the oldest member of the 16th Lok Sabha.
Ans  
1. Murli Manohar Joshi [×] 
2. Ram Jethmalani [×] 
3. Lal Krishna Advani [√] 
4. Farooq Abdullah [×]

Q.20 The National Board for Micro, Small and Medium Enterprises meets once every ____ months in a year.
Ans  
1. 2 [×] 
2. 6 [×] 
3. 3 [√] 
4. 9 [×]

Q.21 की कमी से रिकेट्रस का रोग होता है।
Ans  
1. विटामिन C [×] 
2. विटामिन A [×] 
3. विटामिन B [×] 
4. विटामिन D [√]

Q.22 The Khajuraho Temples are located in the state of _____.
Ans  
1. Madhya Pradesh [√] 
2. Andhra Pradesh [×]
Q.23 What is India's rank in 2019 World Happiness Report?

Ans

1. 130th
2. 140th
3. 150th
4. 160th

Q.24 Minimum Support Price (MSP) is recommended by _____.

Ans

1. The Commission for Weights and Measures
2. The Food Safety and Standards Authority of India
3. The Farmers’ Welfare Society
4. The Commission for Agricultural Costs and Prices

Q.25 ____ is the oldest golf course outside the United Kingdom.

Ans

1. Royal Calcutta Golf Club, Kolkata
2. Tollygunge Golf Club, Kolkata
3. Classic Golf Resort, New Delhi
4. Royal Springs Golf Course, Srinagar
Q.2 In a circle with center O and radius 10 cm, PQ and RS are two parallel chords of lengths x cm and 12 cm, respectively, and both the chords are on the opposite side of O. If the distance between PQ and RS is 14 cm, the value of x is:

Ans  

1. 16  
2. 20  
3. 15  
4. 18

Q.3 If \(3\sqrt{3}x^2 - 2\sqrt{2}y^2 = (\sqrt{3}x - \sqrt{2}y)(Ax^2 + By^2 + Cxy)\), then the value of \((A \times B) \div C\) is:

Ans  

1. \(6\sqrt{6}\)  
2. \(6\sqrt{3}\)  
3. \(\sqrt{3}\)  
4. \(\sqrt{6}\)

Q.4 The value of \(\frac{1}{\sin\theta} - \frac{\cot^2\theta}{1+\csc\theta}\) is:

Ans  

1. 0  
2. 1  
3. 2  
4. -1

Q.5 Sudha saves 15% of her income. If her expenditure increases by 20% and savings increase by 60%, then by what percent has her income increased?

Ans  

1. 26  
2. 35  
3. 24  
4. 30

Q.6 PQRS is a cyclic quadrilateral. If angle P is three times the angle R and angle S is five times the angle Q, then the sum of the angles Q and R is:

Ans  

1. 65°  
2. 70°
Q.7 In \( \triangle ACE \), B and D are the points on side AC and CE, respectively, such that BD \parallel AE and \( AE = \frac{5}{3} \) BD. What is the ratio of the area of \( \triangle ABDC \) to that of \( \triangle ABC \)?

Ans

1. \( 9 : 64 \)
2. \( 3 : 8 \)
3. \( 8 : 11 \)
4. \( 9 : 16 \)

Question ID: 98958013263
Status: Answered
Chosen Option: 3

Q.8 If \( a + \frac{1}{a} = 3 \), then \( \left(a^4 + \frac{1}{a^4}\right) \) is equal to:

Ans

1. 77
2. 47
3. 81
4. 27

Question ID: 98958013266
Status: Answered
Chosen Option: 1

Q.9 Some fruits are bought at a rate of 11 for \( ₹100 \) and an equal number at a rate of 9 for \( ₹100 \). If all the fruits are sold at a rate of 10 for \( ₹100 \), then what is the gain or loss percent in the entire transaction?

Ans

1. Gain, 5%
2. Loss, 5%
3. Gain, 1%
4. Loss, 1%

Question ID: 98958013163
Status: Answered
Chosen Option: 2

Q.10 If \( \frac{\cos \theta}{1 - \sin \theta} + \frac{\cos \theta}{1 + \sin \theta} = 4 \), \( 0^\circ < \theta < 90^\circ \), then the value of \( (\tan \theta + \csc \theta) \) is:

Ans

1. \( \frac{5\sqrt{2}}{2} \)
2. \( \frac{5\sqrt{3}}{3} \)
3. \( \frac{4\sqrt{3}}{3} \)

Question ID: 98958013254
Status: Answered
Chosen Option: 3
4. \(\frac{5\sqrt{2}}{3}\)

Question ID: 98958013267
Status: Answered
Chosen Option: 2

Q.11 If \(a + b + c = 2\), \(a^2 + b^2 + c^2 = 26\), then the value of \(a^3 + b^3 + c^3 - 3abc\) is:

Ans
1. 71
2. 74
3. 69
4. 78

Question ID: 98958013262
Status: Answered
Chosen Option: 2

Q.12 A person borrowed a certain sum at 10% p.a. for three years, interest being compounded annually. At the end of two years, he repaid a sum of ₹6,634 and at the end of the third year, he cleared off the debt by paying ₹11,200. What was the sum borrowed by him?

Ans
1. ₹16,400
2. ₹15,400
3. ₹15,600
4. ₹16,500

Question ID: 98958013256
Status: Not Attempted and Marked For Review
Chosen Option: --

Q.13 The radii of three concentric circles are in the ratio of 4 : 5 : 7. What is the ratio of the area between the two inner circles to that between the two outer circles?

Ans
1. 4 : 7
2. 5 : 9
3. 4 : 5
4. 3 : 8

Question ID: 98958013259
Status: Answered
Chosen Option: 4

Q.14 If \((1 + \tan^2 \theta) + (1 + (\tan^2 \theta)^{-1}) = k\), then \(\sqrt{k} = ?\)

Ans
1. \(\cosec \theta \sec \theta\)
2. \(\cosec \theta \cos \theta\)
3. \(\sin \theta \cos \theta\)
4. \(\sin \theta \sec \theta\)

Question ID: 98958013268
Q.15 The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>48</td>
<td>47</td>
<td>50</td>
<td>61</td>
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<tr>
<td>E</td>
<td>43</td>
<td>47</td>
<td>54</td>
<td>64</td>
<td>62</td>
</tr>
</tbody>
</table>

The total production of type B cars during 2013 to 2016 is approximately what percent less than the total production of cars in 2017?

Ans

1. 32%
2. 40%
3. 35%
4. 38%

Q.16 The table shows the production of different types of cars (in thousands).

<table>
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<tr>
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</tr>
</tbody>
</table>

The total production of type B cars in 2015 and type C cars in 2013 is what percent more than the total production of type E cars in 2013 and 2014? (Correct to one decimal place)

Ans

1. 23.4
2. 25.6
3. 24.8
4. 22.2

Q.17 The area of a ΔABC is one unit. DE is a straight line parallel to BC, joining the points D and E on AB and AC respectively such that AD : DB = 1 : 6. The ratio of the areas of the triangles ADE and ABC is:

Ans

1. 1 : 36
2. 1 : 49
3. 1 : 6
4. 1 : 7

Q.18 The value of $16 \div 4 \cdot 4 \cdot [3 \div 4 \cdot (4 \div (3 \cdot (3 + 3))] \div (2 \div 4 \cdot 8)$ is:
Question ID: 98958013265
Status: Answered
Chosen Option: 1

Q.19
In ΔABC, D is a point on AC such that AB = BD = DC. If ∠BAD = 70°, then the measure of ∠B is:

Ans
✓ 1. 75°
✗ 2. 80°
✗ 3. 82°
✗ 4. 70°

Question ID: 98958013258
Status: Answered
Chosen Option: 2

Q.20
A train travelling at 44 km/h crosses a man walking with a speed of 8 km/h, in the same direction, in 15 seconds. If the train crosses a woman coming from the opposite direction in 10 seconds, then what is the speed (in km/h) of the woman?

Ans
✗ 1. 10.5
✓ 2. 10
✗ 3. 9
✓ 4. 8.5

Question ID: 98958013249
Status: Not Answered
Chosen Option: --

Q.21
If a 10-digit number 20945843y2 is divisible by 88, then the value of (5x – 7y) for the largest possible value of x, is:

Ans
✗ 1. 3
✓ 2. 5
✗ 3. 2
✓ 4. 6

Question ID: 98958013250
Status: Answered
Chosen Option: 1

Q.22
The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
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</tr>
</tbody>
</table>

If the data related to the production of type D cars is represented by a pie-chart, then the central angle of the sector representing the production of the cars in 2016 will be:

Ans
✓ 1. 78°
Q.23 The table shows the production of different types of cars (in thousands).

<table>
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</tr>
</tbody>
</table>

The ratio of the total production of type A cars in 2017 and type D cars in 2015 to the total production of type B and type E cars in 2013 is:

**Ans**

1. 8 : 7
2. 4 : 3
3. 3 : 4
4. 7 : 8

Q.24 \(^{\frac{1}{1+\sin^2\theta}} + \frac{1}{1+cosec^2\theta} = \) \(^{\text{Ans}}\)

1. \(\sin^2\theta\)
2. 1
3. \(cosec^2\theta\)
4. 2

Q.25 To do a certain work, the ratio of the efficiencies of A, B, and C is 7 : 5 : 6. Working together, they can complete the same work in 35 days. B and C work together for 21 days. The remaining work will be completed by A alone in:

**Ans**

1. 60 days
2. 57 days
3. 54 days
4. 50 days

Section: English Comprehension
Q.1 Select the correct passive form of the given sentence.
Show these visitors the butterfly farm.

Ans 1. These visitors should be showed the butterfly farm.
2. Let these visitors be showing the butterfly farm.
3. You must show these visitors the butterfly farm.
4. Let these visitors be shown the butterfly farm.

Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.
They didn't see you, is it?

Ans 1. no improvement
2. did they
3. wasn't it
4. have they

Q.3 Given below are four jumbled sentences. Select the option that gives their correct order.
A. What was supposed to be a holiday of a lifetime turned into a dangerous experience for 1,300 passengers on a cruise ship off the coast of Norway.
B. The Norwegian Government decided to evacuate the passengers with the help of helicopters.
C. The ship broke down in rough seas and high-speed winds caused it to rock heavily from side to side.
D. From the first 371 evacuated passengers, 17 had to be taken to hospital.

Ans 1. ABCD
2. CBDA
3. CABD
4. ACBD

Q.4 In the sentence identify the segment which contains the grammatical error.
The river Yamuna has many non-native species like goldfish that is affecting its ecosystem.

Ans 1. its eco-system
2. The river Yamuna
3. that is affecting
4. has many non-native species
Q.5 Select the antonym of the given word.

COMIC

Ans

1. amusing  
2. tragic  
3. awkward  
4. absurd

Q.6 Select the word which means the same as the group of words given.

a family of young animals

Ans

1. nest  
2. clutch  
3. brood  
4. offspring

Q.7 Select the most appropriate meaning of the given idiom.

butterflies in the stomach

Ans

1. being excited  
2. being nervous  
3. being angry  
4. being hungry

Q.8 Given below are four jumbled sentences. Select the option that gives their correct order.

A. It is one of the highly developed countries of the world.
B. It stretches from the Atlantic Ocean in the east to the Pacific Ocean in the west.
C. The USA consists of 50 states including Alaska and Hawai.
D. The United States of America (USA) is the 4th largest country in the world.

Ans

1. ADCB  
2. CBAD  
3. CBDA  
4. DBCA
Q.9 Select the correct active form of the given sentence.

The injured were being removed to the hospital by the police.

Ans 1. The police removed the injured to the hospital.
2. The injured was removing the police to the hospital.
3. The police was removing the injured to the hospital.
4. The police has been removing the injured to the hospital.

Q.10 Select the synonym of the given word.

DRAG

Ans 1. rush
2. pull
3. push
4. rest

Q.11 In the sentence identify the segment which contains the grammatical error.

We will rest for sometime when we will reach the top.

Ans 1. We will rest
2. when we will
3. reach the top
4. for sometime

Q.12 Select the most appropriate word to fill in the blank.

The National war memorial is ______ to our Armed Forces.

Ans 1. inscribed
2. dedicated
3. honoured
4. devoted

Q.13 Select the wrongly spelt word.

Ans 1. remembrance
2. reminiscant
Q.14 Select the most appropriate word to fill in the blank.

A painting competition was held in the colony and Kavya was _____ winner in the age group 3-5 years.

Ans
1. publicized
2. supposed
3. described
4. declared

Q.15 Select the synonym of the given word.

ENGULF

Ans
1. encroach
2. enshrine
3. entangle
4. envelop

Q.16 Select the word which means the same as the group of words given.

A person appointed by two parties to resolve a dispute

Ans
1. broker
2. valuer
3. auditor
4. arbitrator

Q.17 Select the most appropriate meaning of the given idiom.

out of the woods

Ans
1. no longer in trouble
2. no longer in sight
3. no longer famous
4. no longer young
Q.18 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

We had never seen so strong blizzard. The wind speed was 130 km per hour.

Ans

1. so strong the blizzard
2. such strong a blizzard
3. such a strong blizzard
4. no improvement

Q.19 Select the antonym of the given word.

GATHER

Ans

1. display
2. dispute
3. distract
4. disperse

Q.20 Select the most appropriate option for blank No. 1.

Canada is three times the size of India (1)____ its population is only about 26 million. The average (2)____ of population is less than three persons per square kilometer (3)____ Canada. The distribution of population is highly (4)____. Nearly 80 per cent of the people (5)____ in a narrow belt less than 300 kilometer wide along the southern border. The rest of the country has a very sparse population due to excessive cold.

SubQuestion No : 20

Ans

1. because
2. until
3. so
4. but
(5)______ in a narrow belt less than 300 kilometer wide along the southern border. The rest of the country has a very sparse population due to excessive cold.

SubQuestion No : 21
Q.21 Select the most appropriate option for blank No. 2.
Ans  
1. consistency  
2. density  
3. quantity  
4. frequency

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Canada is three times the size of India (1)______ its population is only about 26 million. The average (2)______ of population is less than three persons per square kilometer (3)______ Canada. The distribution of population is highly (4)______. Nearly 80 per cent of the people (5)______ in a narrow belt less than 300 kilometer wide along the southern border. The rest of the country has a very sparse population due to excessive cold.

SubQuestion No : 22
Q.22 Select the most appropriate option for blank No. 3.
Ans  
1. at  
2. in  
3. on  
4. into

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Canada is three times the size of India (1)______ its population is only about 26 million. The average (2)______ of population is less than three persons per square kilometer (3)______ Canada. The distribution of population is highly (4)______. Nearly 80 per cent of the people (5)______ in a narrow belt less than 300 kilometer wide along the southern border. The rest of the country has a very sparse population due to excessive cold.

SubQuestion No : 23
Q.23 Select the most appropriate option for blank No. 4.
Ans  
1. uneven  
2. differing  
3. infrequent  
4. rough

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Canada is three times the size of India (1) its population is only about 26 million. The average (2) of population is less than three persons per square kilometer (3) Canada. The distribution of population is highly (4). Nearly 80 per cent of the people (5) in a narrow belt less than 300 kilometer wide along the southern border. The rest of the country has a very sparse population due to excessive cold.

SubQuestion No : 24
Q.24 Select the most appropriate option for blank No. 5.
Ans  
1. live  ✔
2. survive  ❌
3. subsist  ❌
4. remain  ❌

Q.25 Select the wrongly spelt word.
Ans  
1. hazard  ❌
2. hazy  ❌
3. hasitate  ✔
4. hasty  ❌

Question ID : 98958012549
Status : Answered
Chosen Option : 1

Question ID : 98958012560
Status : Answered
Chosen Option : 3
Q.1 Choose the set of numbers that is similar to the following set.

\[(4, 12, 16)\]

**Ans**

1. \((81, 36, 9)\) **✗**
2. \((64, 36, 100)\)
3. \((16, 20, 25)\)
4. \((36, 25, 49)\) **✗**

Question ID: 98958014264
Status: Answered
Chosen Option: 3

Q.2 In a code language, STROKE is written as FLPSUT. How would BRIGHT be written in the same code language?

**Ans**

1. UIHJSC **✓**
2. CSJHIU **✗**
3. SGFHQA **✗**
4. UJHHCs **✗**

Question ID: 98958014255
Status: Answered
Chosen Option: 1

Q.3 A letter series is given below in which some letters are missing. Select the option that gives the letters that can fill these blanks in that order.

ba _d_cb_cdb_ba_dbc

**Ans**

1. cbcad **✗**
2. cbacc **✓**
3. abbdac **✓**
4. bcabc **✓**

Question ID: 98958014257
Status: Answered
Chosen Option: 2

Q.4 Three of the four numbers are alike in a certain way and one is different. Pick the odd number out.
**Q.5** A square paper is folded and cut as shown below. How will it appear when unfolded?

![Image of a square paper with folds and cuts]

**Ans**

1. 
2. 
3. 
4. 

**Q.6** Two statements are followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they do not conform to real-world knowledge, decide which of the conclusion(s) logically follows(s) follow from the statements.

**Statements**:
All knives are instruments.
Some cutters are knives.

**Conclusions**:
1. Some cutters are instruments.
2. All knives are cutters.
3. Some knives are not instruments.

**Ans**

1. None of the conclusions follow
2. Only conclusion II follows
3. Only conclusion III follows
4. Only conclusion I follows
Q.7  Select the term that will come next in the following series.

3, 5, 10, 20, 37, ?

Ans  
1. 58
2. 61
3. 69
4. 63

Q.8  Arrange the following words in a logical and meaningful order.

1. Probation
2. Promotion
3. Job
4. Interview
5. Confirmation

Ans  
1. 5, 4, 2, 1, 3
2. 4, 1, 2, 5, 3
3. 5, 1, 4, 2, 3
4. 4, 3, 1, 5, 2

Q.9  If SMOKE is coded as 81643 and PRANK is coded as 72954, how would you code ROSE?

Ans  
1. 2682
2. 3276
3. 9238
4. 2683

Q.10
Select the number pair in which the two numbers are related in the same way as the two numbers of the pair given below:

\[35 : 5\]

\[\text{Ans}\]

\[\checkmark\] 1. 63 : 7

\[\times\] 2. 135 : 12

\[\times\] 3. 99 : 10

\[\times\] 4. 48 : 7

---

Q.11 Which of the two signs should be interchanged in the following equation to make the given value correct?

\[15 + 5 - 10 \times 6 + 12 = 6\]

\[\text{Ans}\]

\[\times\] 1. + and –

\[\checkmark\] 2. – and +

\[\times\] 3. + and \times

\[\times\] 4. + and –

---

Q.12 Identify the mirror image of the following figure if the mirror is placed to the right of the figure.

\[\text{Ans}\]

\[\times\] 1.

\[\checkmark\] 2.

\[\times\] 3.
Q.13 ‘Study’ is related to ‘Knowledge’ in the same way that ‘Work’ is related to:

Ans

1. Salary  [x]
2. Employment  [x]
3. Experience  [✓]
4. Training  [x]

Q.14 Two rotated positions of a dice are given below. Which number will be at the top if the number 4 is on the bottom of the dice?

Ans

1. 6  [x]
2. 2  [✓]
3. 1  [x]
4. 4  [x]

Q.15 Select the figure that will come next in the following figure series.

[Diagram of figure series]

Ans

1. [Wrong choice]
Q.16 A contractor planned to finish a work in 12 days and employed a certain number of men. However, 6 of them remained absent from the very first day. The rest could finish the work in 20 days. The number of men originally employed were:

Ans

1. 15
2. 18
3. 20
4. 24

Q.17 How many triangles are there in the following figure?

Ans

1. 14
2. 13
3. 17
4. 15

Q.18 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans

1. DEFG
2. JMPS
Q.19 Choose the set of numbers that is similar to the following set.

\((8, 28, 6)\)

Ans

\(\times\) 1. \((12, 48, 14)\)
\(\times\) 2. \((17, 70, 13)\)
\(\times\) 3. \((5, 26, 9)\)
\(\checkmark\) 4. \((3, 20, 7)\)

Q.20 Choose the Venn diagram that best illustrates the relationship among the following classes:

Crocodiles, Aquatic animals, Reptiles

Ans

\(\times\) 1. 
\(\checkmark\) 2. 
\(\times\) 3. 
\(\times\) 4. 

Q.21 In a family of eight persons with two couples, P is the son of Q and brother of R. S is the daughter of M, who is married to R. T is the aunt of S and mother of V. R’s nephew W is the son of P and has a sister V. How is V related to M?

Ans

\(\times\) 1. Nephew
\(\times\) 2. Daughter

Downloaded from - www.exammix.com
Q.22 Select the figure in which the given figure is embedded.

Ans

1. 

2. 

3. 

4. 

Q.23 Select the word-pair in which the two words are related in the same way as the two words in the following word-pair.

Grief : Consolation

Ans

1. Drought : Famine

2. Happiness : Excitation

3. Planet : Revolution

4. Pain : Sedative

Q.24
In March 2019, India extended a financial grant of ____ Nepalese rupees for the construction of an educational campus in Nepal under the Development Partnership Programme.

- 1. 35.5 million
- 2. 55.5 million
- 3. 45.5 million
- 4. 25.5 million

Which of the following are amongst the few carbon-containing compounds NOT classified as organic?

- 1. Methane
- 2. Nucleic acids
- 3. Cyanides
- 4. Propane

In case of death of the President and the Vice President of India, the ________ will act as the President of India.

- 1. Parliament chosen candidate
2. Prime Minister of India
3. Chief Justice of India
4. Attorney General of India

Q.4 In March 2019, Superstats, a new metrics to analyse the game of____ was launched by Indian Institute of Technology (IIT) Madras researchers and ESPNcricinfo experts.

Ans 1. cricket
2. football
3. badminton
4. tennis

Q.5 __________was named People for the Ethical Treatment of Animals (PETA) India's Person of the Year for 2018.

Ans 1. Yukta Mookhey
2. Sonam Kapoor
3. Sushmita Sen
4. Dia Mirza

Q.6 The motto of Special Olympics World Games 2019 was ________________.

Ans 1. "Let me win and prove."
2. "Let me win or lose, it's fine."
3. "Let me win, but if I cannot win, let me be brave in the attempt."
4. "Let me win as I am a winner"

Q.7 Global Business Summit 2019 was held in _______.

Ans 1. Bengaluru
2. Jamnagar
3. New Delhi
4. Mumbai
Q.8 Bihar Diwas is celebrated on____ across the state to commemorate the day when Bihar was carved out of the Bengal Presidency in the year 1912.

Ans
1. 21st December
2. 21st January
3. 22nd February
4. 22nd March

Q.9 In which of the following forts of Rajasthan 'chattirs' (cenotaphs) are built in honour of Jaimal and Kalla, heroes, who laid down their lives in the 1568 siege by Emperor Akbar?

Ans
1. Kumbhalgarh Fort
2. Amer Fort
3. Chittorgarh Fort
4. Ranathambhor Fort

Q.10 The leader of the Bhakti movement focusing on Lord Rama was ____________.

Ans
1. Namdeva
2. Ramananda
3. Jaydeva
4. Vivekanada

Q.11 Which is the most populous state according to the 2011 census?

Ans
1. Uttar Pradesh
2. Bihar
3. Maharashtra
4. Rajasthan

Q.12 Metal oxides are ____ in nature.

Ans
1. acidic
2. organic
3. basic
4. neutral
Q.13 The terms ‘Jat and Sawar’ are related to which of the following administrative systems?

Ans

- 1. Zamindari System
- 2. Iqtadari System
- 3. Mansabdari System
- 4. Jotedari System

Question ID: 98958014205
Status: Answered
Chosen Option: 3

Q.14 In case the President of India wants to resign, he would address his resignation to the

Ans

- 1. Chief Justice of India
- 2. Vice President of India
- 3. Chief Election Commissioner of India
- 4. Prime Minister of India

Question ID: 98958014214
Status: Not Answered
Chosen Option: --

Q.15 The Vivekananda rock Memorial is located in__________.

Ans

- 1. Andaman
- 2. Srinagar
- 3. Kanyakumari
- 4. Ladakh

Question ID: 98958014217
Status: Answered
Chosen Option: 2

Q.16 Tsunami is caused by ______.

Ans

- 1. underwater volcanic activity
- 2. lower atmospheric pressure
- 3. rocks underground suddenly breaking
- 4. strong winds driving water onshore

Question ID: 98958014210
Status: Answered
Chosen Option: 3

Q.17 _______was the first Mughal emperor in India.

Ans

- 1. Shah Jahan
- 2. Humayun

Question ID: 98958014199
Status: Answered
Chosen Option: 1
Q.18 In March 2019, Indian-American television personality and food expert ______ was appointed by the United Nations Development Programme as its new Goodwill Ambassador.

**Ans**

1. Padma Lakshmi
2. Priyanka Chopra
3. Aziz Ansari
4. Annet Mahendra

Q.19 Asian Development Bank (ADB) in its Outlook Supplement has retained India's growth forecast at 7.3% for the current fiscal (2018-19) and ____% for the following financial year (2019-20).

**Ans**

1. 8
2. 8.6
3. 7.6
4. 7.9

Q.20 What is Marble Cancer?

**Ans**

1. Disease in animals due to marble mines
2. Soil degradation due to marble mines
3. Cancer in human due to working in mines
4. Corrosion of marble due to acid rain

Q.21 Which of the following gases reduces the oxygen carrying capacity of the blood?

**Ans**

1. Nitric oxide
2. Carbon dioxide
3. Carbon monoxide
4. Nitrous oxide
Q.22 Which city in India is the least populated according to the 2011 census?
Ans

1. Kapurthala ✓
2. Datia
3. Nagda
4. Banswara

Q.23 Admiral ______ assumed command of the Indian Navy on 31 May 2019 as the 24th Chief of the Naval Staff.
Ans

1. Bipin Rawat
2. Karambir Singh ✓
3. Sunil Lanba
4. Bimal Verma

Q.24 Pollination by birds is called:
Ans

1. anemophily
2. entomophily
3. autogamy
4. ornithophily ✓

Q.25 The leading light of the Rama cult was saint-poet _____ who also wrote the poem 'Ramcharitamanasa'.
Ans

1. Chaitanya
2. Vallabacharya
3. Tulsidas ✓
4. Nimbarka

Section: Quantitative Aptitude
Q.1 If \((x^3 - 2\sqrt{2} y^3) \div (x - \sqrt{2} y) = (Ax^3 + Bxy + Cy^3)\) then, \((2A + 4\sqrt{2} B - 4C) = ?\)
Ans

1. 4
2. 2 ✓
3. 1
4. 0
Q.2 If $x^4 - 6x^2 - 1 = 0$, then the value of $x^6 - 5x^2 + \frac{5}{x^2} - \frac{1}{x^6} + 5$ is:

Ans

1. 219

2. 209

3. 204

4. 239

Q.3 AR is a diameter of a circle with centre O. CR is a tangent to the circle at B. AC intersects the circle at G. If the radius of the circle is 6 cm and AG = 8 cm, then the length of BC is:

Ans

1. $2\sqrt{5}$ cm

2. $6\sqrt{6}$ cm

3. $2\sqrt{6}$ cm

4. $6\sqrt{5}$ cm

Q.4 The table shows the production of different types of cars (in thousands):

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>66</td>
<td>68</td>
<td>64</td>
<td>64</td>
</tr>
<tr>
<td>B</td>
<td>64</td>
<td>61</td>
<td>63</td>
<td>70</td>
</tr>
<tr>
<td>C</td>
<td>66</td>
<td>62</td>
<td>63</td>
<td>76</td>
</tr>
<tr>
<td>D</td>
<td>66</td>
<td>69</td>
<td>65</td>
<td>67</td>
</tr>
<tr>
<td>E</td>
<td>68</td>
<td>64</td>
<td>61</td>
<td>60</td>
</tr>
</tbody>
</table>

If the data related to the production of type E cars is represented by a pie-chart, then the central angle of the sector representing production of cars in 2013 will be:

Ans

1. 66°

2. 76.8°

3. 81.6°

4. 78°

Q.5 A dealer buys an article at a discount of 20% on its list price and marks it at 25% above the list price. If he allows a 20% discount on the new list price, then his profit percent is:

Ans

1. 24

2. 25
Q.6
The value of \( \frac{1}{\sec x - \tan x} - \frac{1}{\cos x} \), \( 0^\circ \leq x \leq 90^\circ \), is equal to:

Ans
1. \( 2 \sec x \)
2. \( \tan x \)
3. \( 2 \cos x \)
4. \( \cot x \)

Q.7
If a 10-digit number 1330x558y2 is divisible by 88, then the value of \( (x + y) \) is:

Ans
1. 7
2. 9
3. 6
4. 8

Q.8
The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>Type A</th>
<th>Type B</th>
<th>Type C</th>
<th>Type D</th>
<th>Type E</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>40</td>
<td>60</td>
<td>50</td>
<td>70</td>
<td>80</td>
</tr>
<tr>
<td>2013</td>
<td>45</td>
<td>65</td>
<td>55</td>
<td>75</td>
<td>85</td>
</tr>
<tr>
<td>2014</td>
<td>50</td>
<td>70</td>
<td>60</td>
<td>80</td>
<td>90</td>
</tr>
<tr>
<td>2015</td>
<td>55</td>
<td>75</td>
<td>65</td>
<td>85</td>
<td>95</td>
</tr>
<tr>
<td>2016</td>
<td>60</td>
<td>80</td>
<td>70</td>
<td>90</td>
<td>100</td>
</tr>
</tbody>
</table>

The average production of type C cars during 2012 to 2016 is approximately what percent less than the total production of type D cars in 2012 and type E cars in 2014?

Ans
1. 46.4%
2. 49.2%
3. 48.6%
4. 42.8%

Q.9
If \( \tan^2 \theta - 3 \sec \theta + 3 = 0 \), \( 0^\circ \leq \theta \leq 90^\circ \), then the value of \( \sin \theta + \cot \theta \) is:

Ans
1. \( \frac{5\sqrt{3}}{6} \)
Q.10  Suman bought 6 tables and 12 chairs for ₹12,000. She sold the tables at a profit of 15% and the chairs at a loss of 10%. If her total gain was ₹300, then the total cost of the tables was:

<table>
<thead>
<tr>
<th>Ans</th>
<th>1. ₹6,000</th>
<th>2. ₹5,000</th>
<th>3. ₹5,400</th>
<th>4. ₹4,800</th>
</tr>
</thead>
</table>

Q.11  The ratio of the present ages of A and B is 8 : 15. Eight years ago, the ratio of their ages was 6 : 13. What will be the ratio of ages of A and B after 8 years from now?

<table>
<thead>
<tr>
<th>Ans</th>
<th>1. 5 : 8</th>
<th>2. 9 : 14</th>
<th>3. 10 : 17</th>
<th>4. 5 : 9</th>
</tr>
</thead>
</table>

Q.12  A circle is inscribed in a quadrilateral ABCD touching sides AB, BC, CD and AD at the points P, Q, R and S, respectively. If BP = 4 cm, SD = 6 cm and BC = 7 cm, then the length of DC is:

<table>
<thead>
<tr>
<th>Ans</th>
<th>1. 8 cm</th>
<th>2. 9 cm</th>
<th>3. 10 cm</th>
<th>4. 7 cm</th>
</tr>
</thead>
</table>

Q.13  Three numbers are such that if the average of any two of them is added to the third number, the sums obtained are 164, 158 and 132 respectively. What is the average of the original three numbers?

<table>
<thead>
<tr>
<th>Ans</th>
<th>1. $\frac{75}{3}$</th>
<th>2. 74</th>
<th>3. 76</th>
</tr>
</thead>
</table>
Q.14 The sides $AB$ and $AC$ of a $\triangle ABC$ are extended to $P$ and $Q$ respectively. If the bisectors of $\angle PBC$ and $\angle QCB$ intersect at $O$, and $\angle A = 92^\circ$, then $\angle BOC$ is equal to:

Ans

1. $44^\circ$
2. $46^\circ$
3. $88^\circ$
4. $42^\circ$

Q.15 If $x = 2 - p$, then $x^2 + 6xp + p^3$ is equal to:

Ans

1. 12
2. 6
3. 8
4. 4

Q.16 In $\triangle ABC$, $AD$ bisects $\angle A$ and intersects $BC$ at $D$. If $BC = a$, $AC = b$ and $AB = c$, then $BD =$?

Ans

1. $\frac{ac}{b + c}$
2. $\frac{bc}{c + a}$
3. $\frac{ca}{a + b}$
4. $\frac{ab}{b + c}$

Q.17 The ratio of the efficiencies of $A$, $B$ and $C$ is $7 : 5 : 8$. Working together, they can complete a piece of work in 42 days. $B$ and $C$ worked together for 21 days and the remaining work was completed by $A$ alone. The whole work was completed in:

Ans

1. 96 days
2. 99 days
3. 102 days
4. 93 days
Q.18  A is 20% less than B and C is 30% more than D. If D is 25% less than A, then which of the following is true?

Ans

1. B = 0.39C  [X]
2. C = 0.78B  [✓]
3. B = 0.78C  [X]
4. C = 0.39B  [X]

Q.19  If cot θ = \sqrt{7}, then the value of \frac{\csc^2θ - \sec^2θ}{\csc^2θ + \sec^2θ} is:

Ans

1. \frac{3}{4}  [✓]
2. \frac{2}{3}  [X]
3. \frac{9}{9}  [X]
4. \frac{7}{9}  [X]

Q.20  A sector is cutout from a circle of diameter 42 cm. If the angle of the sector is 150°, then its area (in cm²) is:

(Take π = \frac{22}{7})

Ans

1. 564  [X]
2. 574  [X]
3. 580.6  [X]
4. 577.5  [✓]

Q.21  A boat can cover a distance of 7.2 km downstream and 3.2 km upstream in 2 hours. It can also cover 1.5 km downstream and 0.6 km upstream in 24 minutes. What is the speed of the boat when going downstream (in km/h)?

Ans

1. 6  [✓]
2. 4\frac{1}{2}  [X]
3. 5  [X]
4. 7\frac{1}{2}  [X]
Q.22  A sum amounts to ₹18,600 after 3 years and to ₹27,900 after 6 years, at a certain rate percent p.a., when the interest is compounded annually. The sum is:

Ans  
1. ₹11,800
2. ₹12,400
3. ₹14,400
4. ₹14,600

Q.23  The value of \( \frac{8}{9} \) of \( \left( 5 \frac{1}{4} \div 2 \frac{2}{3} \text{ of } 4 \right) \div \left( 8 \div \frac{2}{3} \text{ of } \frac{4}{5} \right) \) of \( 8 \times \frac{2}{3} + \frac{4}{5} \) is:

Ans  
1. \( \frac{1}{8} \)
2. \( \frac{4}{15} \)
3. \( \frac{1}{200} \)
4. \( \frac{1}{100} \)

Q.24  The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>Car</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>54</td>
<td>55</td>
<td>56</td>
<td>57</td>
<td>61</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>54</td>
<td>56</td>
<td>59</td>
<td>59</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>56</td>
<td>54</td>
<td>48</td>
<td>43</td>
<td>72</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>50</td>
<td>54</td>
<td>47</td>
<td>43</td>
<td>76</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>56</td>
<td>54</td>
<td>64</td>
<td>67</td>
<td>70</td>
<td></td>
</tr>
</tbody>
</table>

The total production of type E cars in 2015 and type C cars in 2013 taken together is what percent of the total production of type A cars and type D cars taken together during 2012 to 2016?

Ans  
1. 21.8%
2. 21.4%
3. 20%
4. 22%

Q.25
The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>48</td>
<td>49</td>
<td>50</td>
<td>57</td>
<td>64</td>
</tr>
<tr>
<td>B</td>
<td>54</td>
<td>43</td>
<td>45</td>
<td>40</td>
<td>50</td>
</tr>
<tr>
<td>C</td>
<td>64</td>
<td>43</td>
<td>47</td>
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<td>56</td>
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<tr>
<td>D</td>
<td>66</td>
<td>48</td>
<td>57</td>
<td>55</td>
<td>72</td>
</tr>
<tr>
<td>E</td>
<td>68</td>
<td>52</td>
<td>64</td>
<td>65</td>
<td>68</td>
</tr>
</tbody>
</table>

The ratio of the total production of type A cars in 2014 and 2016 and type C cars in 2013 taken together to the total production of type B cars and type D cars taken together in 2014 is:

Ans

1. 11 : 8
2. 17 : 12
3. 9 : 8
4. 4 : 3

Section: English Comprehension

Q.1 Select the antonym of the given word.

STALE

Ans

1. flat
2. fresh
3. dry
4. sour

Q.2 Select the wrongly spelt word.

Ans

1. definate
2. define
3. deform
4. deflate

Q.3 Select the antonym of the given word.

DENSE

Ans

1. sparse
2. thick
3. condensed
4. opaque
Q.4 Given below are four jumbled sentences. Select the option that gives their correct order.

A. The move follows last week's fatal Ethiopian Airlines crash.
B. Aircraft manufacturer Boeing has grounded the entire global fleet of its 737 Max aircraft.
C. Last October, a plane from the Indonesia-based carrier Lion Air had also crashed under similar circumstances.
D. That was the second time in five months a 737 Max has crashed.

Ans  
X 1. ABCD
X 2. BCDA
✓ 3. BADC
X 4. DABC

Q.5 Select the word which means the same as the group of words given.

An arrangement of flowers that is usually given as a present

Ans ✓ 1. bouquet
X 2. wreath
X 3. garland
X 4. bundle

Q.6 Select the word which means the same as the group of words given.

A large, deep, metal pot used for cooking over open fire

Ans X 1. barrel
X 2. kettle
X 3. skillet
✓ 4. cauldron

Q.7 Select the correct active form of the given sentence.

One of the passengers was being thoroughly checked by the custom officers.

Ans X 1. The custom officers have been thoroughly checking one of the passengers.
X 2. The custom officers thoroughly checked one of the passengers.
X 3. One of the passengers was thoroughly checking the custom officers.
✓ 4. The custom officers were thoroughly checking one of the passengers.
Q.8 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

He came late, wasn't it?

Ans  
1. didn't he  
2. did he  
3. No improvement  
4. isn't it

Q.9 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Each dancer performed very well that it was difficult to judge who the best was.

Ans  
1. such well that  
2. so well that  
3. No improvement  
4. such very well that

Q.10 In the sentence identify the segment which contains the grammatical error.

She forgot lock the door when she went out in a hurry.

Ans  
1. in a hurry  
2. She forgot lock  
3. the door when  
4. she went out

Q.11 Select the most appropriate word to fill in the blank.

In the wake of the recent cross-border tensions, forces have been _____ at strategic locations for immediate action, if required.

Ans  
1. departed  
2. deployed  
3. deposited  
4. deported
Q.12 Select the most appropriate meaning of the given idiom.

**in the pink**

Ans

- 1. in pink dress
- 2. in the limelight
- 3. in a happy mood
- 4. in good health

**Chosen Option : 2**

Q.13 Select the synonym of the given word.

**LETHAL**

Ans

- 1. harmless
- 2. healthy
- 3. fatal
- 4. strong

**Chosen Option : 3**

Q.14 Select the correct passive form of the given sentence.

Please take these students round the biscuit factory.

Ans

- 1. These students should be taking round the biscuit factory.
- 2. You are requested to take these students round the biscuit factory.
- 3. Let these students to be taken round the biscuit factory.
- 4. You must take these students round the biscuit factory.

**Chosen Option : 2**

Q.15 Select the synonym of the given word.

**PREVALENT**

Ans

- 1. unusual
- 2. common
- 3. rare
- 4. different

**Chosen Option : 2**

Q.16 Given below are four jumbled sentences. Select the option that gives their correct order.

A. However, new research shows that taking the dog for a walk can have its downsides for
Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The political condition of India in the eighteenth century was one of extreme disunity. (1)______ the decline of the Mughal empire, no (2)_____ Indian power emerged to take its (3)_____ in strength and prestige and to unite the (4)_____ under a central authority. The Marathas who rose (5)_____ the position of pre-eminence among the new Indian states did not prove capable of fulfilling that task.

SubQuestion No : 19
Q.19 Select the most appropriate option for blank No. 1.

Ans  

1. With

2. In

3. When

4. With

5. In

6. When

7. Under
Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The political condition of India in the eighteenth century was one of extreme disunity. (1)______ the decline of the Mughal empire, no (2)______ Indian power emerged to take its (3)______ in strength and prestige and to unite the (4)______ under a central authority. The Marathas who rose (5)______ the position of pre-eminence among the new Indian states did not prove capable of fulfilling that task.

SubQuestion No : 20
Q.20 Select the most appropriate option for blank No. 2.
Ans  
✓ 1. one  
X 2. another  
✓ 3. other  
X 4. more

SubQuestion No : 21
Q.21 Select the most appropriate option for blank No. 3.
Ans  
X 1. niche  
✓ 2. place  
X 3. role  
X 4. seat

SubQuestion No : 22
Q.22 Select the most appropriate option for blank No. 4.
Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The political condition of India in the eighteenth century was one of extreme disunity. (1) the decline of the Mughal empire, no (2) Indian power emerged to take its (3) in strength and prestige and to unite the (4) under a central authority. The Marathas who rose (5) the position of pre-eminence among the new Indian states did not prove capable of fulfilling that task.

SubQuestion No : 23
Q.23 Select the most appropriate option for blank No. 5.
Ans  
1. to
2. at
3. on
4. over

Q.24 Select the wrongly spelt word.
Ans  
1. notification
2. necessity
3. negociation
4. negligence

Q.25 In the sentence identify the segment which contains the grammatical error.
Lodi Colony in Delhi is very different from other places in the city that is crowded and noisy.
Ans  
1. is very different
2. from other places
3. in the city
4. that is crowded and noisy
Q.1 A square paper is folded and cut as shown below. How will it appear when unfolded?

Ans

1. 

2. 

3. ✔

4. ✗

Q.2 Select the figure that will come next in the following figure series.

Ans
Q.3 Which number will replace the question mark (?) in the following series?

5, 12, 26, 54, ?

Ans

1. 112
2. 92
3. 110
4. 98

Q.4 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(8, 15, 9)

Ans

1. (5, 17, 11)
2. (4, 16, 12)
3. (7, 13, 14)
4. (9, 12, 15)
Q.5 The ratio of the present age of Mitali to that of Shabnam is 4 : 7. If the difference between the present ages of Shabnam and Mitali after 5 years will be 13 years, then what is the sum of the present ages of Mitali and Shabnam?

Ans

1. 74 years
2. 60 years
3. 66 years
4. 64 years

Q.6 P is the sister of Q and mother of R. S is the daughter-in-law of W and wife of Q. W's grandson M is the nephew of P and brother of V. W has only two children. How is Q related to V?

Ans

1. Uncle
2. Father
3. Brother
4. Son

Q.7 Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair:

Caress : Affection

Ans

1. Crime : Confession
2. Interview : Selection
3. Anger : Emotion
4. Kick : Hostility

Q.8 If CLEAN is coded as 1415123 and BLOW is coded as 2315122, then how will JOKE be coded as?

Ans

1. 411612
2. 5121611
3. 5111510
4. 1011155
Q.9 How many triangles are there in the following figure?

\[ 
\begin{array}{c}
\text{Ans} \\
\checkmark 1. 18 \\
\times 2. 20 \\
\times 3. 16 \\
\times 4. 14 \\
\end{array}
\]

Q.10 Select the mirror image of the given figure when the mirror is placed to the right of the figure.

\[ 
\begin{array}{c}
\text{Ans} \\
\times 1. \\
\checkmark 2. \\
\times 3. \\
\times 4. \\
\end{array}
\]

Q.11 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

DFIM : WURN = GKNP : ?

\[ 
\begin{array}{c}
\text{Ans} \\
\times 1. SOLJ \\
\times 2. TROK \\
\times 3. TPNL \\
\end{array}
\]

Question ID: 98958013718
Status: Not Attempted and Marked For Review
Chosen Option: --

Question ID: 98958013721
Status: Answered
Chosen Option: 2
Q.12  Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.

12 : 42

Ans

1. 15 : 52
2. 24 : 82
3. 8 : 28
4. 16 : 53

Q.13  Two different positions of the same dice are shown. Which number will be at the top if 6 is at the bottom?

Ans

1. 5
2. 3
3. 4
4. 2

Q.14  Select the set in which the numbers are related in the same way as are the numbers of the following set.

(3, 16, 5)

Ans

1. (9, 35, 11)
2. (7, 32, 9)
3. (11, 45, 14)
4. (5, 26, 9)
Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

**Statements:**
Some roads are streets.
Some streets are lanes.

**Conclusions:**
I. No road is a lane.
II. All streets are lanes.
III. Some lanes are roads.

**Ans**
1. Only conclusion II follows
2. Only conclusions II and III follow
3. Either conclusions I or III follows
4. Only conclusion I follows

---

**Q.16** In a code language, REGULAR is written as GERTRAL. How will BROTHER be written as in that language?

**Ans**
1. ORBSREH
2. ROBSREH
3. ORBUREH
4. ORBEHTS

**Q.17** Select the Venn diagram that best illustrates the relationship between the following classes.

**Ans**
1. 
2. 

Question ID: 98958013709
Status: Not Attempted and Marked For Review
Chosen Option: --

Question ID: 98958013705
Status: Answered
Chosen Option: 1

---

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Downloaded from - www.exammix.com
Q.18 Select the figure in which the given figure is embedded.

Ans

Q.19 Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

Ans

1. 39
2. 57
Q.20
Arrange the following words in a logical and meaningful order.

1. Learn
2. College
3. Degree
4. Admission
5. Assessment
6. Class

Ans
1. 4, 2, 1, 6, 3, 5
2. 2, 1, 4, 5, 6, 3
3. 4, 2, 6, 1, 5, 3
4. 5, 4, 2, 1, 6, 3

Q.21
जिस प्रकार 'दूर' का संबंध 'एकता' से है, उसी तरह 'सुधार' का संबंध _____ से है।

Ans

Q.22
Which two signs should be interchanged in the following equation to make it correct?

9 − 3 + 12 × 8 ÷ 4 = 11

Ans
1. + and −
2. + and ×
Section: General Awareness

Q.1 On March 23rd, India observes ______ day/divas as a tribute to Bhagat Singh, Sukhdev and Rajguru on their death anniversary.

Ans  

1. Vidroh Divas  
2. Shaheed Divas  
3. Protest Day  
4. Tribute Day
Q.2 Which of the following is the longest river in India?
Ans
- 1. Kaveri
- 2. Godavari
- 3. Brahmaputra
- 4. Ganga

Q.3 Akbar was succeeded by his son, Salim, who took the title of______, meaning 'Conqueror of the World'.
Ans
- 1. Shah Jahan
- 2. Jahangir
- 3. Badshah
- 4. Jahapana

Q.4 Who was the prime minister of India during "the Emergency" between the year 1975 to 1977?
Ans
- 1. Indira Gandhi
- 2. Rajiv Gandhi
- 3. Moraj Desai
- 4. Charan Singh

Q.5 The Victoria Memorial, conceived by Lord Curzon, represents the architectural climax of ________ city.
Ans
- 1. Jaipur
- 2. Kolkata
- 3. Mumbai
- 4. Delhi

Q.6 World ________ Day 2019 was observed on 23 March with the theme 'The Sun, the Earth and the weather'.
Ans
- 1. Geographical
Q.7 Indian naval officer Commander _____ became the only Asian to participate in the prestigious Golden Globe Race (GGR), which commenced from Les Sables d'Olonne harbour in France on 1 July 2018.
Ans 1. Pradeep Singh
2. Mahendra Nath Mulla
3. Abhilash Tomy
4. Rajesh Dhankhar

Q.8 Pierre Curie shared the 1903 Nobel Prize in Physics with his wife, Marie Curie, and Henri Becquerel for their discoveries related to _______.
Ans 1. thermodynamics
2. mirror images
3. radioactivity
4. X-rays

Q.9 A ________ occurs when a government's total expenditures exceed the revenue that it generates, excluding money from borrowings.
Ans 1. Current Account Deficit
2. Budgetary Deficit
3. Revenue Deficit
4. Fiscal Deficit

Q.10 Who won the Nobel Prize in 1906 for his neuron doctrine?
Ans 1. Pierre Curie
2. Santiago Ramón y Cajal
3. Henry Moseley
4. Luis Alvarez
Q.11 Which of the following was the most important characteristic of India's trade throughout the colonial period?

Ans
1. Import surplus
2. Import deficiency
3. Export deficiency
4. Export surplus

Q.12 William Crookes was a physical chemist who discovered and named the element ________.

Ans
1. plutonium
2. germanium
3. thallium
4. beryllium

Q.13 Justice______, who retired from the Supreme Court of India on 6 July 2018, has been appointed as the new chairperson of the National Green Tribunal.

Ans
1. Justice Jawad Rahim
2. Adarsh Kumar Goel
3. Raghuvendra Singh
4. Sonam Phintso Wangdi

Q.14 Which Indian monument was built by Maharaja Sawai Pratap Singh in the year 1799?

Ans
1. Hawa Mahal
2. Leh Palace
3. Mattancherry Palace
4. Mysore Palace

Q.15 The Red Fort and the Jama Masjid in Delhi stand out as towering achievements of architecture during the reign of______.

Ans
1. Shah Jahan
2. Akbar
3. Jehangir
Q.16 __________ won a silver medal at the 38th GeeBee Boxing Tournament which was held at Helsinki, Finland.

Ans

1. Naveen Kumar
2. Sachin Siwach
3. Sumit Sangwan
4. Mohammed Hussamuddin

Q.17 Name the longest river in Asia.

Ans

1. Yenisei
2. Amazon
3. Nile
4. Yangtze

Q.18 Electron was discovered in the year 1897 by ________.

Ans

1. T. A. Edison
2. Nicola Tesla
3. J J Thomson
4. Isaac Newton

Q.19 Humayun's heir _____ was born in exile and was only 13 years old when his father died.

Ans

1. Akbar
2. Shah Jahan
3. Jahangir
4. Babur

Q.20 Who had built Taj Mahal, for his wife Mumtaz Mahal along the banks of the Yamuna River in Agra?

Ans

1. Aurangzeb
Q.21 Which river passes through maximum number of countries?
Ans

1. Rhine
2. Danube
3. Amazon
4. Volga

Q.22 In its Global Economic Outlook report, Fitch Ratings cut India's economic growth forecast for the next financial year 2019-20 starting from April 1 to ___% from its previous estimate of 7%.
Ans

1. 6.2
2. 5.4
3. 6.8
4. 6.1

Q.23 _______ Constition Amendment Act, 2002 provided for free and compulsory elementary education to all children.
Ans

1. 84th
2. 85th
3. 86th
4. 87th

Q.24 _______ received the very first Nobel Prize in Physics in 1901 for his discovery of X-rays.
Ans

1. Wilhelm Röntgen
2. William Thomson
3. Louis Pasteur
4. William Crookes
Q.25 There were three bronze medallists from India at the 38th GeeBee Boxing Tournament which was held at Helsinki, Finland. Who amongst the following is NOT one of them?

Ans

- 1. Naveen Kumar
- 2. Dinesh Dagar
- 3. Sumit Sangwan
- 4. Sachin Siwach

Question ID: 98958014319
Status: Not Answered
Chosen Option: 1

Q.1 A sum of ₹$x$ was borrowed and paid back in two equal yearly instalments, each of ₹$35,280$. If the rate of interest was 5%, compounded annually, then the value of $x$ is:

Ans

- 1. 64,400
- 2. 65,600
- 3. 64,800
- 4. 65,400

Question ID: 98958013306
Status: Not Attempted and Marked For Review
Chosen Option: --

Q.2 In $\triangle ABC$, $\angle A$ is a right angle. The lengths of $AC$ and $BC$ are 6 cm and 10 cm respectively. Point $D$ is on $AB$ such that $BD = 4$ cm. What is the length of $CD$?

Ans

- 1. $2\sqrt{13}$ cm
- 2. $3\sqrt{10}$ cm
- 3. $2\sqrt{10}$ cm
- 4. $3\sqrt{13}$ cm

Question ID: 98958013315
Status: Answered
Chosen Option: 1

Q.3 $ABCD$ is a quadrilateral whose side $AB$ is the diameter of a circle through $A$, $B$, $C$ and $D$. If $\angle ADC = 130^\circ$, then the measure of $\angle BAC$ is:

Ans

- 1. $40^\circ$
- 2. $45^\circ$
- 3. $35^\circ$
- 4. $50^\circ$

Question ID: 98958013313
Status: Not Attempted and Marked For Review
Chosen Option: --
Q.4  In \( \triangle ABC \), \( AD \) bisects \( \angle A \) which meets \( BC \) at \( D \). If \( BC = a \), \( AC = b \) and \( AB = c \), then \( DC = \frac{ab}{b+c} \)  
\( \frac{ac}{a+c} \)  
\( \frac{bc}{a+c} \)  
\( \frac{ac}{a+b} \) 

Ans  
\( \checkmark \) 1. \( \frac{ab}{b+c} \)  
\( \times \) 2. \( \frac{ac}{a+c} \)  
\( \times \) 3. \( \frac{bc}{a+c} \)  
\( \checkmark \) 4. \( \frac{ac}{a+b} \) 

Question ID: 98958013316  
Status: Not Answered  
Chosen Option: --

Q.5  If \( 9a^2 + 4b^2 + c^2 + 21 = 4(3a + b - 2c) \), then the value of \( (9a + 4b - c) \) is:

Ans  
\( \times \) 1. 2  
\( \times \) 2. 16  
\( \times \) 3. 6  
\( \checkmark \) 4. 12 

Question ID: 98958013311  
Status: Not Answered  
Chosen Option: --

Q.6  If \( \sin \theta = \frac{a}{\sqrt{a^2+b^2}} \), \( 0^\circ < \theta < 90^\circ \), then the value of \( \sec \theta + \tan \theta \) is:

Ans  
\( \checkmark \) 1. \( \frac{\sqrt{a^2+b^2}+a}{b} \)  
\( \times \) 2. \( \frac{\sqrt{a^2+b^2}+b}{2a} \)  
\( \times \) 3. \( \frac{\sqrt{a^2+b^2}+a}{2b} \)  
\( \times \) 4. \( \frac{\sqrt{a^2+b^2}+b}{a} \) 

Question ID: 98958013319  
Status: Answered  
Chosen Option: 1

Q.7  The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>43</td>
<td>54</td>
<td>64</td>
<td>62</td>
<td>68</td>
</tr>
<tr>
<td>2012</td>
<td>49</td>
<td>69</td>
<td>84</td>
<td>68</td>
<td>72</td>
</tr>
<tr>
<td>2013</td>
<td>41</td>
<td>47</td>
<td>64</td>
<td>70</td>
<td>84</td>
</tr>
<tr>
<td>2014</td>
<td>47</td>
<td>59</td>
<td>68</td>
<td>84</td>
<td>88</td>
</tr>
<tr>
<td>2015</td>
<td>45</td>
<td>55</td>
<td>72</td>
<td>76</td>
<td>84</td>
</tr>
</tbody>
</table>

What is the ratio of the total production of type B cars in 2011 and type E cars in 2013 taken together to the total production of type C cars in 2014 and type D cars in 2012 taken together?

Ans  
\( \times \) 1. 8 : 9
2. 6 : 5
3. 5 : 6
4. 16 : 11

Q.8 A is 20% less than B while C is 20% more than D. If D is 25% less than A, then which of the following is true?

Answer:
1. B = 0.675 C
2. C = 0.72 B
3. B = 0.72 C
4. C = 0.675 B

Q.9 A person can row a distance of 4 km upstream in one hour 20 minutes and can row back to the starting point in just 24 minutes. How much time (in hours) will he take to row 15 km in still water?

Answer:
1. 2
2. $3\frac{1}{2}$
3. 3
4. $2\frac{1}{2}$

Q.10 A person sold 25 articles for ₹2,500 and incurred a loss of 10%. How many articles should he sell for ₹2,400 to make a profit of 1%?

Answer:
1. 15
2. 20
3. 16
4. 18
The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>50</td>
<td>52</td>
<td>55</td>
<td>58</td>
<td>60</td>
</tr>
<tr>
<td>B</td>
<td>40</td>
<td>42</td>
<td>45</td>
<td>48</td>
<td>50</td>
</tr>
<tr>
<td>C</td>
<td>30</td>
<td>32</td>
<td>35</td>
<td>38</td>
<td>40</td>
</tr>
<tr>
<td>D</td>
<td>20</td>
<td>22</td>
<td>25</td>
<td>28</td>
<td>30</td>
</tr>
<tr>
<td>E</td>
<td>10</td>
<td>12</td>
<td>15</td>
<td>18</td>
<td>20</td>
</tr>
</tbody>
</table>

If the data related to the production of type C cars is represented by a pie-chart, then the central angle of the sector representing production of cars in 2012 will be:

Ans 1. 72°
2. 73°
3. 60°
4. 80°

Q.12 If \((135\sqrt{x^3} - 2\sqrt{y}^2) = (3\sqrt{x} - \sqrt{y}) = A + B\sqrt{x} + \sqrt{10} C\), then the value of \((A + B - 9C)\) is:

Ans 1. 18
2. 12
3. 20
4. 10

Q.13 In a circle of radius 10 cm and centre O, PQ and PR are two equal chords, each of length 12 cm. What is the length (in cm) of chord QR?

Ans 1. 18.6
2. 20.4
3. 18.4
4. 19.2

Q.14 If the 10-digit number 897359y?x2 is divisible by 72, then what is the value of \((3x + y)\), for the possible greatest value of \(y\)?

Ans 1. 3
2. 8
3. 7
4. 5

Question ID: 98958013321
Status: Not Answered
Chosen Option: --

Question ID: 98958013310
Status: Not Answered
Chosen Option: --

Question ID: 98958013314
Status: Not Answered
Chosen Option: --

Question ID: 98958013299
Status: Not Answered
Chosen Option: --
Q.15  The area of a field in the shape of a triangle with each side x metres is equal to the area of another triangular field having sides 50 m, 70 m and 80 m. The value of x is closest to:

<table>
<thead>
<tr>
<th>Ans</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>65.5</td>
</tr>
<tr>
<td>2</td>
<td>63.2</td>
</tr>
<tr>
<td>3</td>
<td>62.4</td>
</tr>
<tr>
<td>4</td>
<td>61.8</td>
</tr>
</tbody>
</table>

**Question ID:** 98958013309  
**Status:** Answered  
**Chosen Option:** 3

Q.16  The value of $7\frac{1}{2} \times (3\frac{2}{3} + 4\frac{3}{2} \text{ or } 5\frac{2}{3}) + [11 - \left(\frac{9}{2} + 3 - 1\frac{1}{4}\right)] + 5\frac{2}{4} - 5 \times 5$ of $5 + 25$ is:

<table>
<thead>
<tr>
<th>Ans</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$\frac{1}{2}$</td>
</tr>
<tr>
<td>2</td>
<td>$\frac{1}{10}$</td>
</tr>
<tr>
<td>3</td>
<td>$\frac{2}{10}$</td>
</tr>
<tr>
<td>4</td>
<td>$\frac{1}{2}$</td>
</tr>
</tbody>
</table>

**Question ID:** 98958013300  
**Status:** Not Answered  
**Chosen Option:** --

Q.17  If $x^2 - 3x - 1 = 0$, then the value of $(x^2 + 8x - 1)(x^2 + x^{-1})^{-1}$ is:

<table>
<thead>
<tr>
<th>Ans</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$\frac{3}{8}$</td>
</tr>
<tr>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

**Question ID:** 98958013312  
**Status:** Not Answered  
**Chosen Option:** --

Q.18  The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>Type A</th>
<th>Type B</th>
<th>Type C</th>
<th>Type D</th>
<th>Type E</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>60</td>
<td>70</td>
<td>50</td>
<td>80</td>
<td>60</td>
</tr>
<tr>
<td>2011</td>
<td>65</td>
<td>75</td>
<td>55</td>
<td>85</td>
<td>65</td>
</tr>
<tr>
<td>2012</td>
<td>70</td>
<td>80</td>
<td>60</td>
<td>90</td>
<td>70</td>
</tr>
<tr>
<td>2013</td>
<td>65</td>
<td>75</td>
<td>55</td>
<td>85</td>
<td>65</td>
</tr>
<tr>
<td>2014</td>
<td>70</td>
<td>80</td>
<td>60</td>
<td>90</td>
<td>70</td>
</tr>
</tbody>
</table>

The average production of all type of cars in 2014 is approximately what percent less than the total production of type B cars in 2013 and type D cars in 2010 taken together?

**Ans**

<table>
<thead>
<tr>
<th>Ans</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>41.8%</td>
</tr>
<tr>
<td>2</td>
<td>44.9%</td>
</tr>
<tr>
<td>3</td>
<td>43.2%</td>
</tr>
</tbody>
</table>

**Question ID:** 98958013315  
**Status:** Not Answered  
**Chosen Option:** --
4. 44.4%

Q.19 To do a certain work, A and B work on alternate days, with B beginning the work on the first day. A can finish the work alone in 48 days. If the work gets completed in 11 1/2 days, then B alone can finish 4 times the same work in:

Ans
- 1. 24 days
- 2. 32 days
- 3. 27 days
- 4. 30 days

Q.20 If \( \cos^2 \theta - 3 \cos \theta + 2 = \sin^2 \theta, 0^\circ < \theta < 90^\circ \), then the value of \( 2 \csc \theta + 4 \cot \theta \) is:

Ans
- 1. \( \frac{8\sqrt{3}}{3} \)
- 2. \( \frac{4\sqrt{3}}{4} \)
- 3. \( 2\sqrt{3} \)
- 4. \( 4\sqrt{3} \)

Q.21 If \( \frac{\tan \theta - \sec \theta + 1}{\tan \theta + \sec \theta - 1} \) \( \sec \theta = \frac{1}{k} \), then \( k = \) _______.

Ans
- 1. \( 1 + \sin \theta \)
- 2. \( 1 - \cos \theta \)
- 3. \( 1 + \cos \theta \)
- 4. \( 1 - \sin \theta \)
The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>Type</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
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<tbody>
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<td>86</td>
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<tr>
<td>B</td>
<td>90</td>
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<tr>
<td>C</td>
<td>100</td>
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<tr>
<td>D</td>
<td>110</td>
<td>112</td>
<td>114</td>
<td>116</td>
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<td>E</td>
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<td>122</td>
<td>124</td>
<td>126</td>
<td>128</td>
<td>130</td>
</tr>
</tbody>
</table>

The total production of type A cars in 2011, and type C cars and type E cars in 2012 taken together, is what percent of the total production of type B cars during 2010 to 2014?

\[\text{Ans} \quad \checkmark 1. \quad 60.4\% \quad \checkmark 2. \quad 54.7\% \quad \checkmark 3. \quad 62.5\% \quad \checkmark 4. \quad 58.8\%\]

Question ID: 98958013322
Status: Not Answered
Chosen Option: --

Q.23
The total number of students in section A and B of a class is 110. The number of students in section A is 10 more than that of section B. The average score of the students in B, in a test, is 20% more than that of students in A. If the average score of all the students in the class is 72, then what is the average score of the students in A?

\[\text{Ans} \quad \checkmark 1. \quad 66 \quad \checkmark 2. \quad 68 \quad \checkmark 3. \quad 63 \quad \checkmark 4. \quad 70\]

Question ID: 98958013301
Status: Not Answered
Chosen Option: --

Q.24
A shopkeeper sells an item for ₹492 after allowing 18% discount on its marked price. Had he NOT allowed any discount, he would have earned a profit of 20% on the cost price. What is the cost price of the item?

\[\text{Ans} \quad \checkmark 1. \quad ₹500 \quad \checkmark 2. \quad ₹640 \quad \checkmark 3. \quad ₹540 \quad \checkmark 4. \quad ₹600\]

Question ID: 98958013302
Status: Not Answered
Chosen Option: --

Q.25
The prices of two articles are in the ratio 4 : 5. If the price of the first article is increased by \(x\)% and that of the other is decreased by 30%, then the new prices of A and B will be in the ratio 10 : 7. The value of \(x\) is:

\[\text{Ans} \quad \checkmark 1. \quad 24.5 \quad \checkmark 2. \quad 22.5 \quad \checkmark 3. \quad 25 \quad \checkmark 4. \quad 20\]

Question ID: 98958013305
Status: Not Answered
Chosen Option: --
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

During the reign of Aurangzeb, the last of the Mughals, there (1)______ revolts against the empire. (2)______ were the revolts of the Marathas, the Sikhs, the Jats and (3)______ others. After the death of Aurangzeb, the Mughal empire began to (4)______ fairly fast. The country soon (5)______ into smaller territories many of which became more or less independent.

SubQuestion No : 1

Q.1 Select the most appropriate option for blank No. 1.

Ans

1. have been
2. was
3. are
4. were

Chosen Option : 4

SubQuestion No : 2

Q.2 Select the most appropriate option for blank No. 2.

Ans

1. These
2. It
3. That
4. This

Chosen Option : 1

SubQuestion No : 3

Q.3 Select the most appropriate option for blank No. 3.

Ans

1. more
2. many
3. each
4. every

Chosen Option : 3
Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

During the reign of Aurangzeb, the last of the Mughals, there (1)______ revolts against the empire. (2)______ were the revolts of the Marathas, the Sikhs, the Jats and (3)______ others. After the death of Aurangzeb, the Mughal empire began to (4)______ fairly fast. The country soon (5)______ into smaller territories many of which became more or less independent.

SubQuestion No : 4
Q.4 Select the most appropriate option for blank No. 4.

Ans
✗ 1. disperse
✗ 2. disturb
✗ 3. disrupt
✓ 4. disintegrate

SubQuestion No : 5
Q.5 Select the most appropriate option for blank No. 5.

Ans
✗ 1. broke in
✗ 2. broke off
✗ 3. broke out
✓ 4. broke up

SubQuestion No : 6
Q.6 In the sentence identify the segment which contains the grammatical error.

The Japanese artist Yoh Nagao was busy splashing the wall from colours.

Ans
✗ 1. splashing the wall
✗ 2. was busy
✓ 3. from colours
✗ 4. The Japanese artist
Q.7 Select the correct passive form of the given sentence.

Please take the guest to his room on the 6th floor.

Ans

1. The guest should be took to his room on the 6th floor. [×]

2. You are requested to take the guest to his room on the 6th floor. [✓]

3. You must take the guest to his room on the 6th floor. [×]

4. Let the guest be taking to his room on the 6th floor. [×]

Question ID: 98958012592
Status: Answered
Chosen Option: 2

Q.8 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

His school was 7 km away from his house. I wondered how he covered so long distance daily on foot.

Ans

1. so long the distance [×]

2. No improvement [×]

3. such long distance [×]

4. such a long distance [✓]

Question ID: 98958012595
Status: Answered
Chosen Option: 4

Q.9 Select the most appropriate word to fill in the blank.

India is the second largest _____ of cotton in the world.

Ans

1. creator [×]

2. producer [✓]

3. grower [×]

4. manufacturer [×]

Question ID: 98958012614
Status: Answered
Chosen Option: 2

Q.10 Select the word which means the same as the group of words given.

a large, deep pot used both in the oven and as a serving vessel.

Ans

1. sauce-pan [×]

2. casserole [✓]

3. skillet [×]

4. cauldron [×]

Question ID: 98958012611
Status: Answered
Chosen Option: 2

Q.11 Given below are four jumbled sentences. Select the option that gives their correct order.

Downloaded from - www.exammix.com
A. Since then Boeing has received over 5,000 orders for the aircraft and has delivered 371 to date.


C. Boeing had huge hopes for its 737 Max aircraft and viewed it as a key part of its future.

D. However, the company’s market value has plummeted by nearly $26 billion since the crash in Ethiopia.

Ans 1. ABCD
2. CBAD
3. DCBA
4. BCDA
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<tr>
<td>98958012608</td>
<td>Answered</td>
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### Question 16
Select the wrongly spelt word.

| Ans | 1. negligible | ✗ 2. nuisance | ✗ 3. noticable | ✗ 4. neighbouring |

### Question 17
Select the synonym of the given word.

**EXEMPT**

| Ans | 1. hinder | ✗ 2. exclude | ✗ 3. reduce | ✗ 4. prevent |

### Question 18
Select the most appropriate meaning of the given idiom.

**On tenterhooks**

| Ans | 1. unhappy | ✗ 2. angry | ✗ 3. anxious | ✗ 4. happy |

### Question 19
Select the most appropriate meaning of the given idiom.

**Lend an ear**

| Ans | 1. to pay attention to | ✗ 2. to not make trouble | ✗ 3. to force someone to listen |
4. to not tell someone something

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<tr>
<td>Chosen Option: 1</td>
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</table>

**Q.20 Select the wrongly spelt word.**

Ans

<p>| | |</p>
<table>
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<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>1. bridle</td>
<td>✗</td>
</tr>
<tr>
<td>2. brisk</td>
<td>✗</td>
</tr>
<tr>
<td>3. bristle</td>
<td>✓</td>
</tr>
<tr>
<td>4. brittle</td>
<td>✗</td>
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</tbody>
</table>

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<tr>
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</table>

**Q.21 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.**

We can't live without water, **will we**?

Ans

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. won't we</td>
<td>✗</td>
</tr>
<tr>
<td>2. can we</td>
<td>✓</td>
</tr>
<tr>
<td>3. do we</td>
<td>✗</td>
</tr>
<tr>
<td>4. No improvement</td>
<td>✗</td>
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<table>
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**Q.22 Select the synonym of the given word.**

RAMPANT

Ans

<p>| | |</p>
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</tr>
</thead>
<tbody>
<tr>
<td>1. excessive</td>
<td>✓</td>
</tr>
<tr>
<td>2. limited</td>
<td>✗</td>
</tr>
<tr>
<td>3. rare</td>
<td>✗</td>
</tr>
<tr>
<td>4. gentle</td>
<td>✗</td>
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**Q.23 Select the antonym of the given word.**

SWERVE

Ans

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1. droop</td>
<td>✗</td>
</tr>
<tr>
<td>2. lurch</td>
<td>✗</td>
</tr>
<tr>
<td>3. deviate</td>
<td>✗</td>
</tr>
<tr>
<td>4. straighten</td>
<td>✓</td>
</tr>
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<tr>
<td>Status: Answered</td>
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<tr>
<td>Chosen Option: 4</td>
</tr>
</tbody>
</table>
Q.24 Select the most appropriate word to fill in the blank.

The company management is of the opinion that not wearing a suit and tie at the workplace could create a bad _____ on clients.

Ans

1. response
2. notion
3. outlook
4. impression

Q.25 Given below are four jumbled sentences. Select the option that gives their correct order.

A. It has been a leading producer of both industrial and agricultural goods.
B. The United States of America holds a dominant position in the world because of its high economic development.
C. Because of its enormous output, the United States has a major share in world trade.
D. It is also a leader in the development and application of innovative technology.

Ans

1. BCAD
2. ABCD
3. BACD
4. DABC
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</tbody>
</table>

**Q.1** If

\[ + \text{ denotes } - \]
\[ - \text{ denotes } * \]
\[ * \text{ denotes } \div \]
\[ \div \text{ denotes } + \]

then what will be the numeric value of

\[ 60 \div 10 \div 40 \div 6 - 5 = \]

**Ans**

1. 3
2. 144
3. 16
4. 200

**Q.2** Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

1. Nepal
2. Ireland
3. Indonesia
4. Afghanistan

**Ans**

1. Nepal
2. Ireland
3. Indonesia
4. Afghanistan

**Q.3** Which number will replace the question mark (?) in the following series?

7, 11, 18, 29, ?, 76
Q.4 Select the mirror image of the given figure when the mirror is placed to the right of the figure.

Ans

1. [Correct Answer]
2. [Wrong Answer]
3. [Wrong Answer]
4. [Wrong Answer]
A square paper is folded and cut as shown below. How will it appear when unfolded?

Q.6 Select the Venn diagram that best illustrates the relationship between the following classes.

Villagers, Poor Persons, Males

Ans
Q.7 If the word ANGEL is coded as BOHFM, then what will be the third alphabet in the code for the word SAVAGE?

Ans
- 1. B
- 2. U
- 3. W
- 4. X

Q.8 A cycle was sold for ₹4,140 with a profit of 15%. At what price could it have been sold to earn a profit of 25%?

Ans
- 1. ₹4,500
- 2. ₹4,350
- 3. ₹4,200
- 4. ₹4,850

Q.9 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans
- 1. HLP
- 2. DHL
- 3. PITX
- 4. LPQ

Q.10 Three of the following four word pairs are alike in a certain way and one is different. Pick the odd word out.

Ans
- 1. Tamil Nadu : South
- 2. Punjab : North
- 3. Assam : North-East
- 4. Kerala : North-West
Q.11 Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

1. 2197
2. 1331
3. 343
4. 731

Chosen Option: 4

Q.12 Arrange the following words in a logical and meaningful order.

1. Doctor
2. Recovery
3. Hospital
4. Home
5. Sickness
6. Medicine store

Chosen Option: 4

Q.13 Select the figure in which the given figure is embedded.

Chosen Option: 4
Q.14 Select the set in which the numbers are related in the same way as are the numbers of the following set.

\[(11, 16, 20)\]

Ans

1. (9, 14, 19)

2. (15, 20, 24)

3. (17, 23, 26)

4. (21, 26, 32)

Q.15 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.

\[6472 : 25 :: 7343 : 41 :: 6592 : ?\]

Ans

1. 14

2. 16

3. 18

4. 13

Q.16 Select the number pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.

\[27 : 8\]
Q.17 Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
Some quadrilaterals are squares.
All squares are rhombuses.

Conclusions:
I. No quadrilateral is a rhombus.
II. All rhombuses are squares.
III. Some quadrilaterals are rhombuses.

Ans  
1. Only conclusion II follows  
2. Only conclusion III follows  
3. None of the conclusions follows  
4. Only conclusion I follows

Q.18 Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

cd_ab_cd_ab_dda_b

Ans  
1. bbcdb  
2. dbdcb  
3. dbcbcb  
4. cbdab

Q.19 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

FLQV : JSU : DNR : ?

Ans  
1. FGQN  
2. HMPS
Q.20 Two different positions of the same dice are shown. Which number will be at the top if 3 is at the bottom?

Ans

1. 1
2. 2
3. 5
4. 4

Q.21 Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Mnemonic : Memory

Ans

1. Drama : Acting
2. Audition : Music
3. Sedative : Sleep
4. Audience : Speech

Q.22 How many triangles are there in the following figure?

Ans

1. 27
2. 29
3. 31
4. 25
Q.23 Select the figure that will come next in the following figure series.

![Figure Series]

Ans

1. 
2. 
3. 
4. 

Q.24 Three of the following four letter-chusters are alike in a certain way and one is different. Pick the odd one out.

Ans

1. PXWQ
2. SKLV
3. BKJC
4. FNMG

Q.25 ‘Judgment’ is related to ‘Deliver’ in the same way as ‘Rule’ is related to ‘_____’.

Ans

1. Implement
2. Practice
3. Follow
4. Render
### Q.1 Brazilian physicist and astronomer ______ was awarded the 2019 Templeton Prize, worth $1.4 million, for his work blending science and spirituality.

**Ans**
- **1. Nicolaus Copernicus**
- 2. Marcelo Gleiser
- **3. Charles Messier**
- **4. Edwin Hubble**

### Q.2 In March 2019, a science teacher from rural Kenya named _____ won the prestigious Global Teacher Prize 2019, worth $1 million, which honours the world’s best teacher.

**Ans**
- **1. Hanan Al Hroub**
- 2. Peter Tabichi
- **3. Nancie Atwell**
- **4. Andria Zafirakou**

### Q.3 The maximum number of nominated members to Lok Sabha is ____.

**Ans**
- **1. 4**
- **2. 3**
- **3. 1**
- **4. 2**

### Q.4 Who was the fifth of the ten Sikh gurus?

**Ans**
- **1. Guru Angad**
- **2. Guru Ramdas**
- 3. Guru Arjan Dev
- **4. Guru Hargobind**

### Q.5 The Almatti dam project on the Krishna river was an issue between which states?

**Ans**
- **1. Karnataka and Andhra Pradesh**
2. Karnataka and Goa
3. Andhra Pradesh and Tamil Nadu
4. Karnataka and Tamil Nadu

Q.6 The Qutub Minar was named after the Sufi saint _________.
Ans 1. Syed Waheed Ashraf
2. Alauddin Sabir Kalyari
3. Khwaja Qutbuddin Bakhtiyar Kaki
4. Qutub-ud-Din Aibak

Q.7 The Suri king _____ was defeated by Humayun to regain his kingdom.
Ans 1. Mahmood Suri
2. Sher Shah Suri
3. Sikandar Suri
4. Bahalol Suri

Q.8 ‘Shifting cultivation’ is also known as ______ in north-east India.
Ans 1. Ladang
2. Chena
3. Jhum
4. Logan

Q.9 Flying Officer _____ of the Indian Air Force (IAF) created history by becoming the first Indian woman to fly her first solo fighter flight in a Russian made MiG-21 fighter.
Ans 1. Bhawana Kanth
2. Anjali Gupta
3. Mohana Singh
4. Avani Chaturvedi
Q.10 _____ is famous for outstanding specimen of Buddhist art and architecture, belonging to the period between the 3rd century B.C. and the 12th century A.D.

Ans

1. Satna
2. Vidisha
3. Sanchi
4. Dewas

Q.11 Who decides on the issue related to the disqualification of a Member of Lok Sabha under Tenth Schedule?

Ans

1. Prime Minister
2. President
3. Vice President
4. Speaker

Q.12 In March 2019, the Government of ____ launched the 'Lose to Win' programme to assist overweight employees shed extra kilos and adopt a healthy lifestyle.

Ans

1. Australia
2. UAE
3. US
4. UK

Q.13 Who invented the atomic battery in 1912?

Ans

1. Alessandro Volta
2. Henry Moseley
3. Benjamin Franklin
4. Louis Pasteur

Q.14 In March 2018, Indian actress ____ was named as the new ambassador of the international award-winning non-profit organisation, Educate Girls.

Ans

1. Priyanka Chopra
2. Katrina Kaif
3. Deepika Padukone
4. Aishwarya Rai
Q.15 The base financial year for the calculation of the all India Index of Industrial Production (IIP) is:

Ans

1. 2010-2011
2. 2004-2005
3. 2011-2012
4. 2005-2006

Q.16 ___________ codified the first two laws of thermodynamics and deduced that the absolute zero of temperature is −273.15°C. He was honoured for this with the naming of the Kelvin temperature scale.

Ans

1. William Crookes
2. William Thomson
3. Luis Alvarez
4. Robert Hooke

Q.17 ________ is an important road link between Srinagar on one side and Kargil and Leh on the other side.

Ans

1. Muling La
2. Shipki La
3. Zoji La
4. Qara Tag La

Q.18 What does the Lorenz Curve indicate?

Ans

1. Relationship between the price of a certain commodity and its demand
2. Income distribution
3. Rate of employment
4. Taxable income elasticity

Q.19 Asian Games, also known as Asiad, is a multi-sport event held every ____ years among athletes from all over Asia.

Ans

1. six
Q.20 _____ built the world famous Harmandar Sahib, popularly known as the Golden Temple in Amritsar.

Ans
1. Guru Angad Dev
2. Guru Arjan Dev
3. Guru Siri Har Rai
4. Guru Ram Das

Q.21 The deficiency of which nutrient causes night blindness?

Ans
1. Vitamin K
2. Vitamin C
3. Proteins
4. Vitamin A

Q.22 During whose reign did the Chinese traveller Huien Tsang visit India?

Ans
1. Chandragupta Vikramaditya
2. Samudragupta
3. Chandragupta I
4. Harshavardhana

Q.23 The theory that dinosaurs were driven to extinction by the aftermath of a large asteroid impact on Earth was given by ________.

Ans
1. Wilhelm Röntgen
2. Luis Alvarez
3. Henry Moseley
4. William Crookes
Q.24 _______ was the first person to isolate methane gas. He discovered that methane mixed with air could be exploded using an electric spark.

Ans

✓ 1. Alessandro Volta
✗ 2. William Thomson
✗ 3. Louis Pasteur
✗ 4. William Crookes

Question ID: 98958014331
Status: Answered
Chosen Option: 1

Q.25 _______ won gold in the Men's freestyle wrestling 65 kg category at the Dan Kolov 2019 wrestling event.

Ans

✗ 1. Yogeshwar Dutt
✗ 2. Bajrang Punia
✓ 3. Sandeep Tomar
✗ 4. Sushil Kumar

Question ID: 98958014345
Status: Answered
Chosen Option: 2

Section: Quantitative Aptitude

Q.1 The table shows the production of different types of cars (in thousands).

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<td>40</td>
<td>45</td>
<td>57</td>
<td>64</td>
<td>72</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td>54</td>
<td>45</td>
<td>45</td>
<td>50</td>
<td>56</td>
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<tr>
<td>D</td>
<td></td>
<td>48</td>
<td>56</td>
<td>63</td>
<td>65</td>
<td>68</td>
</tr>
<tr>
<td>E</td>
<td></td>
<td>51</td>
<td>56</td>
<td>57</td>
<td>64</td>
<td></td>
</tr>
</tbody>
</table>

If the data related to the production of type D cars is represented by a pie-chart, then the central angle of the sector representing the production of cars in 2017 will be:

Ans

✗ 1. 50°
✗ 2. 75.6°
✗ 3. 81.6°
✓ 4. 78°

Question ID: 98958013346
Status: Answered
Chosen Option: 2

Q.2 The ratio of the efficiencies of A, B and C is 3 : 5 : 1. Working together, they can complete a piece of work in 5 days. A and B work together for 3 days. The remaining work will be completed by C alone in?

Ans

✗ 1. 18 days
✗ 2. 24 days
✓ 3. 21 days
✗ 4. 15 days

Question ID: 98958013332
Q.3 Four different positive numbers are written in ascending order. One-third of the average of all the four numbers is 19 less than the greatest of these numbers. If the average of the first three numbers is 12, the greatest number among the given numbers is:

Ans

1. 25
2. 22
3. 24
4. 21

Q.4 If \( \frac{\tan \theta}{1-\cot \theta} + \frac{\cot \theta}{1-\tan \theta} = 1 + k \), then \( k = \) _______.

Ans

1. \( \cot \theta + \sec \theta \)
2. \( \tan \theta \cos \sec \theta \)
3. \( \tan \theta + \sec \theta \)
4. \( \cosec \theta \sec \theta \)

Q.5 The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>42</td>
<td>46</td>
<td>54</td>
<td>48</td>
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<td>2015</td>
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<td>2016</td>
<td>48</td>
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<tr>
<td>2017</td>
<td>65</td>
<td>64</td>
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<td>57</td>
</tr>
<tr>
<td>2018</td>
<td>65</td>
<td>72</td>
<td>56</td>
<td>68</td>
<td>64</td>
</tr>
</tbody>
</table>

The average production of cars in 2018 is approximately what percent less than the total production of type D cars in 2015 and type B cars in 2017 taken together?

Ans

1. 45.8%
2. 43.6%
3. 42.4%
4. 44.2%

Q.6 A person sells an article at a profit of 12%. If he had purchased it for 12% less and sold it for Rs 9 less, he would have gained 27%. What is the original cost price of the article?

Ans

1. Rs 4,250
2. Rs 4,000
3. Rs 4,500
4. Rs 3,750
Q.7 \[ \frac{2 \tan 30^\circ}{1 - \tan^2 30^\circ} = \]

Ans

1. 3
2. \(\frac{1}{3}\)
3. \(\sqrt{3}\)
4. \(\frac{1}{\sqrt{3}}\)

Q.8 The base and altitude of an isosceles triangle are 10 cm and 12 cm respectively. Then the length of each equal side is:

Ans

1. 10 cm
2. 7.5 cm
3. 8.5 cm
4. 13 cm

Q.9 In a circle with centre O, PQR is a tangent at the point Q on if \(AB\) is a chord in the circle parallel to the tangent such that \(\angle BQR = 70^\circ\). What is the measure of \(\angle AQB\)?

Ans

1. 40°
2. 60°
3. 55°
4. 35°

Q.10 If \((8x^3 + 27y^3) + (2x + 3y) = (Ax^2 + Bxy + Cy^2)\), then the value of \((5A + 4B + 3C)\) is:

Ans

1. 26
2. 23
3. 24
4. 27
Two chords AB and CD of lengths 5 cm and 11 cm respectively are parallel and are on the same side of the centre O of a circle. If the distance between the chords is 3 cm, then what is the diameter of the circle?

\[ \sqrt{146} \text{ cm} \]

Q.12

If \( \frac{1}{\sec \theta - 1} + \frac{1}{\csc \theta + 1} = 2 \sec \theta, \, 0^\circ < \theta < 90^\circ \), then the value of \( (\cot \theta + \cos \theta) \) is:

\[ \frac{1 + \sqrt{2}}{2} \]

Q.13

The table shows the production of different types of cars (in thousands):

<table>
<thead>
<tr>
<th>Year</th>
<th>Car</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
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<tr>
<td>A</td>
<td></td>
<td>42</td>
<td>53</td>
<td>44</td>
<td>66</td>
<td>65</td>
</tr>
<tr>
<td>B</td>
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<td>46</td>
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<td>E</td>
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<td>46</td>
<td>46</td>
<td>57</td>
<td>57</td>
<td>46</td>
</tr>
</tbody>
</table>

What is the ratio of the total production of type A cars in 2017 and type C cars in 2014 taken together to the total production of type B cars in 2014, type C cars in 2017 and type E cars in 2018 taken together?

\[ \frac{2}{3} \]

Q.14

The value of \( \sin^2 30^\circ \cos^2 45^\circ + 4 \tan^2 30^\circ + \frac{1}{2} \sin^2 90^\circ + 2 \cos 90^\circ \) is:

\[ \frac{47}{24} \]
Q.15 If 10-digit number 67127y76x2 is divisible by 88, then the value of \((7x - 2y)\) is:

Ans

\[\begin{array}{c}
\times 1. 10 \\
\checkmark 2. 7 \\
\times 3. 3 \\
\times 4. 5 \\
\end{array}\]

Q.16 The value of \(6 - 6 \div 6 \times 6 + (6 \div 6 \text{ of } 6) \times 6 - \left(\frac{3}{2} \div \frac{11}{20} \text{ of } \frac{2}{3}\right) \div 5\) is:

Ans

\[\begin{array}{c}
\times 1. 0 \\
\times 2. 2 \\
\times 3. -1 \\
\checkmark 4. -2 \\
\end{array}\]

Q.17 A cylindrical road roller made of metal is one meter long. Its inner radius is 27 cm and the thickness of the metal sheet rolled into it is 9 cm. What is the weight of the roller, if 1 cm of the metal weighs 8 g?

Ans

\[\begin{array}{c}
\times 1. 441 \pi \text{ kg} \\
\times 2. 442.4 \pi \text{ kg} \\
\times 3. 449 \pi \text{ kg} \\
\checkmark 4. 453.6 \pi \text{ kg} \\
\end{array}\]

Q.18 Stubbi spends 75% of her income. If her income increases by 20% and savings decrease by 1%, then the percentage increase in her expenditure is:

Ans

\[\begin{array}{c}
\checkmark 1. 27 \\
\times 2. 2.2 \\
\times 3. 22 \\
\times 4. 2.7 \\
\end{array}\]
Q.19  In \( \triangle ABC \), AM \perp BC and AN is the bisector of \( \angle A \). What is the measure of \( \angle MAN \), if \( \angle B = 55^\circ \) and \( \angle C = 35^\circ \)?

**Ans**

1. \( 10^\circ \)
2. \( 12^\circ \)
3. \( 15^\circ \)
4. \( 5^\circ \)

**Question ID:** 98958013340  
**Status:** Not Answered  
**Chosen Option:** --

Q.20  The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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<tr>
<td>2014</td>
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<td>2017</td>
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<td>84</td>
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</tr>
<tr>
<td>2018</td>
<td>65</td>
<td>72</td>
<td>56</td>
<td>68</td>
<td>64</td>
</tr>
</tbody>
</table>

The total production of type A cars in 2016 and type E cars in 2014 taken together is what percent of the total production of type C cars during 2014 to 2018?

**Ans**

1. 36
2. 32
3. 35
4. 40

**Question ID:** 98958013348  
**Status:** Answered  
**Chosen Option:** 1

Q.21  If \( \frac{6x}{2x^2 + 5x - 2} = 1 \), \( x > 0 \), then the value of \( x^3 + \frac{1}{x^2} \) is:

**Ans**

1. \( \frac{2}{8} \sqrt{17} \)
2. \( \frac{5\sqrt{17}}{8} \)
3. \( \frac{5\sqrt{17}}{16} \)
4. \( \frac{3}{4} \sqrt{17} \)

**Question ID:** 98958013336  
**Status:** Not Answered  
**Chosen Option:** --

Q.22  A journey of 96 km takes one hour less by a fast train (A) than by a slow train (B). If the average speed of B is 16 km/h less than that of A, then the average speed (in km/h) of A is:

**Ans**

1. 64
2. 48
3. 54
4. 60
Q.23  A sum of ₹c is divided among A, B and C such that the ratio of shares of A and B is 7 : 12 and that of B and C is 8 : 5. If the difference in the shares of A and C is ₹14, then the value of c is:

Ans

1. ₹11,556
2. ₹11,128
3. ₹11,770
4. ₹11,342

Q.24  What is the compound interest on a sum of ₹8,100 for 1½ years at 8% per annum, if the interest is compounded monthly? (Nearest to ₹1)

Ans

1. ₹837
2. ₹873
3. ₹842
4. ₹824

Q.25  By how much above the cost price should an article be marked up for sale so that after allowing two successive discounts of 20% and 6.25% on it, a net gain of 20% is made on the cost?

Ans

1. 66 2/3 %
2. 46 1/4 %
3. 50%
4. 60%

Section: English Comprehension

Q.1  Select the most appropriate antonym of the given word.

LIBERTY

Ans

1. slavery
2. freedom
3. autonomy
4. reservation
Q.2 Fill in the blank with the most appropriate word.

The old man wished to donate his ______ wealth for the upliftment of the downtrodden.

Ans 1. immense
2. elusive
3. intense
4. eminent

Q.3 Select the correctly spelt word.

Ans 1. concious
2. corigible
3. complascent
4. contemptible

Q.4 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Let us not neglect important aspects of life although pursue momentary pleasures.

Ans 1. by pursued moment pleasures.
2. through pursued in momentary pleasures.
3. while pursuing momentary pleasures.
4. No improvement

Q.5 Select the most appropriate meaning of the underlined idiom in the given sentence.

He kicked up a row when he was denied entry to the amusement park.

Ans 1. cried with sorrow
2. waited in a queue
3. kicked the guard
4. created a fuss
Q.6 Select the most appropriate antonym of the given word.
TRANSIENT
Ans
1. stationary
2. temporal
3. celestial
4. permanent

Q.7 Select one word substitution for the given words.
To give up the throne
Ans
1. bequeath
2. usurp
3. consign
4. abdicate

Q.8 Given below are four jumbled sentences. Select the option that gives their correct order.
A. What can we do to avoid anger and provocation?
B. Anger and tension are prevalent due to conflicts arising out of these differences.
C. The society is full of people who think and act differently.
D. We need to develop in ourselves the capacity for conversion to turn negative experiences into positive thinking.
Ans
1. ACBD
2. CBAD
3. CADB
4. ABDC

Q.9 Select the most appropriate synonym of the given word.
RETICENT
Ans
1. silent
2. garrulous
3. extrovert
4. confident

Q.10 Fill in the blank with the most appropriate word.

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The committee members were in ______ over the budget for the function.

Ans
   1. difference
   ✔ 2. dissent
   ✗ 3. deference
   ✗ 4. descent

Q.11 In the sentence identify the segment which contains the grammatical error.

Each of the girls have given an impressive dance performance.

Ans
   ✔ 1. have given
   ✗ 2. Each of the girls
   ✗ 3. an impressive
   ✗ 4. dance performance

Q.12 Select the most appropriate meaning of the underlined idiom in the given sentence.

The heavy losses in business came like a bolt from the blue.

Ans
   ✗ 1. a thunderstorm
   ✔ 2. an unexpected disaster
   ✗ 3. a windfall
   ✗ 4. an ominous warning

Q.13 Select the correctly spelt word.

Ans
   ✗ 1. attendence
   ✔ 2. abundance
   ✗ 3. arrogence
   ✗ 4. apearance

Q.14 Given below are four jumbled sentences. Select the option that gives their correct order.

A. Only the fittest creatures can survive while competing for food.
B. Why do some species survive and others become extinct?
C. His answer was that there is ceaseless struggle for life among all creatures.
D. This was the question that Darwin asked himself.

Ans
   ✗ 1. ADCB
Q.15 Select the most appropriate synonym of the given word.

**FURY**

Ans

1. sorrow
2. anger
3. cruelty
4. fright

---

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

There was still a light on in Mo's room. He often stayed (1)______ reading late into the night. Meggie had (2)______ her love of books from him. When she (3)______ refuge with him from a bad dream, nothing could lull (4)______ back to sleep better than Mo's calm breathing (5)______ her and the sound of the pages turning.

SubQuestion No : 16

Q.16 Select the most appropriate option to fill in blank No.1.

Ans

1. up
2. away
3. for
4. out

---

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

There was still a light on in Mo's room. He often stayed (1)______ reading late into the night. Meggie had (2)______ her love of books from him. When she (3)______ refuge with him from a bad dream, nothing could lull (4)______ back to sleep better than Mo's calm breathing (5)______ her and the sound of the pages turning.

SubQuestion No : 17

Q.17 Select the most appropriate option to fill in blank No.2.

Ans

1. procured
2. inherited
3. extracted
4. gained
Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

There was still a light on in Mo's room. He often stayed (1)_____ reading late into the night.
Meggie had (2)_____ her love of books from him. When she (3)_____ refuge with him from a bad dream, nothing could lull (4)_____ back to sleep better than Mo's calm breathing (5)_____ her and the sound of the pages turning.

SubQuestion No : 18
Q.18 Select the most appropriate option to fill in blank No.3
Ans
1. takes
2. has taken
3. will take
4. took

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

There was still a light on in Mo's room. He often stayed (1)_____ reading late into the night.
Meggie had (2)_____ her love of books from him. When she (3)_____ refuge with him from a bad dream, nothing could lull (4)_____ back to sleep better than Mo's calm breathing (5)_____ her and the sound of the pages turning.

SubQuestion No : 19
Q.19 Select the most appropriate option to fill in blank No.4
Ans
1. her
2. it
3. his
4. them

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

There was still a light on in Mo's room. He often stayed (1)_____ reading late into the night.
Meggie had (2)_____ her love of books from him. When she (3)_____ refuge with him from a bad dream, nothing could lull (4)_____ back to sleep better than Mo's calm breathing (5)_____ her and the sound of the pages turning.

SubQuestion No : 20
Q.20 Select the most appropriate option to fill in blank No.5.
Ans
1. against
2. around
3. beside
Q.21 Select the correct active form of the given sentence.
The hunchback was being laughed at by everyone.

Ans
1. Everyone was laughing at the hunchback.
2. Everyone is laughing at the hunchback.
3. Everyone laughed at the hunchback.
4. Everyone laughs at the hunchback.

Q.22 Select one word substitution for the given words.
A trade that is prohibited by law

Ans
1. incredible
2. illusive
3. inapt
4. illicit

Q.23 Select the correct passive form of the given sentence.
Some people believe that discipline means blind submission to authority.

Ans
1. It is belief by some people that discipline means blind submission to authority.
2. It was believed by some people that discipline meant blind submission to authority.
3. It is believed by some people that discipline means blind submission to authority.
4. It has been believed by some people that discipline means blind submission to authority.

Q.24 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.
We must endeavour to increase women’s access for education also employment.

Ans
1. access in education also employment
2. excess to education or employment
3. No improvement
4. access to education and employment
In the sentence identify the segment which contains the grammatical error.

If so many catches had not being dropped, we would have won the match.

**Ans**

1. If so many catches
2. had not being dropped
3. won the match
4. we would have

- 2 is correct.
## CGLE- Combined Graduate Level Tier-I, 2018 Examination

<table>
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<tr>
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### Section: General Intelligence and Reasoning

**Q.1** Select the set in which the numbers are related in the same way as are the numbers of the following set.

(17, 12, 7)

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<th></th>
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<td>1. (42, 34, 27)</td>
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<tr>
<td>✗</td>
<td>2. (23, 32, 39)</td>
</tr>
<tr>
<td>✓</td>
<td>3. (15, 19, 23)</td>
</tr>
<tr>
<td>✗</td>
<td>4. (39, 28, 19)</td>
</tr>
</tbody>
</table>

**Question ID:** 98958013763  
**Status:** Answered  
**Chosen Option:** 4

**Q.2** Select the set in which the numbers are related in the same way as are the numbers of the following set.

(5, 24, 7)

<table>
<thead>
<tr>
<th>Ans</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>✓</td>
<td>1. (8, 80, 12)</td>
</tr>
<tr>
<td>✗</td>
<td>2. (10, 71, 13)</td>
</tr>
<tr>
<td>✗</td>
<td>3. (9, 63, 14)</td>
</tr>
<tr>
<td>✗</td>
<td>4. (6, 75, 11)</td>
</tr>
</tbody>
</table>

**Question ID:** 98958013764  
**Status:** Answered  
**Chosen Option:** 1

**Q.3**
Arrange the following words in a logical and meaningful order.

1. Child
2. Marriage
3. Infant
4. Employment
5. Education

Ans

\[\text{X} 1. 4, 1, 3, 5, 2 \\
\checkmark 2. 3, 1, 5, 4, 2 \\
\text{X} 3. 3, 5, 2, 4, 1 \\
\text{X} 4. 5, 2, 4, 1, 3 \]

Q.4 ‘Geology’ is related to ‘Rocks’ in the same way as ‘Cytology’ is related to ‘______’.

Ans

\[\text{X} 1. \text{Organism} \\
\checkmark 2. \text{Cells} \\
\text{X} 3. \text{Plants} \\
\text{X} 4. \text{Life} \]

Q.5 Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Barter : Commodities

Ans

\[\text{X} 1. \text{Treat} : \text{Disease} \\
\text{X} 2. \text{Debate} : \text{Discussion} \\
\text{X} 3. \text{Movement} : \text{Traffic} \\
\checkmark 4. \text{Correspond} : \text{Letters} \]

Q.6
Select the figure in which the given figure is embedded.

Ans

1.

2.

3.

4.

Question ID: 98958013770
Status: Answered
Chosen Option: 1

Q.7 The average of 9 numbers is 40. If the average of the first five numbers is 38 and that of the last five is 50, then what is the fifth number?

Ans

1. 90
2. 84
3. 78
4. 80

Question ID: 98958013766
Status: Answered
Chosen Option: 4

Q.8 Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

Ans

1. 953
2. 523
3. 312
4. 734
Q.9  Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

DGIL : WTRO = FHKM : ?

Ans  
1. USPN  ✔️
2. TRON  ✗
3. QPLJ  ✗
4. WTSP  ✗

Q.10  A square paper is folded and cut as shown below. How will it appear when unfolded?

Ans  
1.  ✔️
2.  ✗
3.  ✗
4.  ✗

Q.11  If HEAD is coded as 37 and BANK is coded as 57, then how will KITE be coded as?

Ans  
1. 87  ✗
2. 91  ✔️
3. 69  ✗
4. 76

Q.12 Which two signs should be interchanged in the following equation to make it correct?

\[
24 - 12 \div 4 + 8 \times 2 = 11
\]

Ans

\[\begin{align*}
\times \text{ and } + \\
\div \text{ and } - \\
+ \text{ and } - \\
+ \text{ and } + 
\end{align*}\]

Q.13 Which number will replace the question mark (?) in the following series?

16, 24, 36, ?, 81

Ans

\[\begin{align*}
54 \\
52 \\
61 \\
58
\end{align*}\]

Q.14 Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.

24 : 56

Ans

\[\begin{align*}
18 : 48 \\
12 : 36 \\
9 : 21 \\
15 : 40
\end{align*}\]

Q.15 In a code language, PASTEUR is coded as TPRUASE. How would SEVENTY be coded in that language?

Ans

\[\begin{align*}
\text{ENVETYS} \\
\text{NSYTEVN}
\end{align*}\]
Q.16 In a family of seven persons, B is the brother of A and the son of C. D is the son-in-law of C, who has two grandchildren, E and F. A is the mother of E, who is the niece of G. E is the son of G. If C has two children, how is E related to D?

Ans

1. Brother-in-law
2. Son
3. Cousin
4. Nephew

Q.17 Select the figure that will come next in the following figure series.

Ans

1. 
2. 
3. 
4. 

Question ID: 98958013755
Status: Answered
Chosen Option: 4

Question ID: 98958013758
Status: Answered
Chosen Option: 4

Question ID: 98958013767
Status: Answered
Chosen Option: 4
Q.18 Select the mirror image of the given figure when the mirror is placed to the right of the figure.

Ans

1. 

2. 

3. 

4. 

Question ID: 98958013771
Status: Answered
Chosen Option: 3

Q.19 How many triangles are there in the following figure?

Ans

1. 14

2. 24

3. 22

4. 18

Question ID: 98958013768
Status: Answered
Chosen Option: 3
Q.20  Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Ans
1. Steal
2. Hinder
3. Impede
4. Arrest

Question ID: 98958013752
Status: Not Answered
Chosen Option: --

Q.21  Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

ca_bab_ad_ab_ad_ab

Ans
1. bcdcdb
2. cdbcd
3. dcducb
4. dcabc

Question ID: 98958013757
Status: Answered
Chosen Option: 3

Q.22  Two different positions of the same dice are shown. Which number will be at the top if 5 is at the bottom?

Ans
1. 6
2. 4
3. 2
4. 3

Question ID: 98958013769
Status: Answered
Chosen Option: 2

Q.23  Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some carpenters are technicians.
All technicians are mechanics.

Conclusions:

I. Some carpenters are mechanics.
II. Some mechanics are technicians.
III. All carpenters are mechanics.
Q.24 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

1. MLKP
2. TSRN
3. XVWZ
4. DCBZ

Q.25 Select the Venn diagram that best illustrates the relationship between the following classes.

1. Indians, Females, Voters

Q.1 In March 2019, the Central Board of Secondary Education (CBSE) announced the introduction of skill subjects in the school curriculum for the academic session 2019-
20. Which of the following is NOT one of them?

**Ans**
- 1. Spiritual Enhancement
- 2. Artificial Intelligence (AI)
- 3. Yoga
- 4. Early Childhood Care Education (ECCE)

**Q.2** One of the prominent Buddhist structures in India, Stupa at Sarnath was constructed by the great Mauryan king, Ashoka.

**Ans**
- 1. Dhauli
- 2. Dhamekh
- 3. Bharhut
- 4. Lalitgiri

**Q.3** Which of the following elements is an actinide?

**Ans**
- 1. Ytterbium
- 2. Lutetium
- 3. Curium
- 4. Erbium

**Q.4** Law of octaves says that if the chemical elements are arranged according to increasing atomic weight, those with similar physical and chemical properties occur after each interval of ________ elements.

**Ans**
- 1. 10
- 2. 5
- 3. 7
- 4. 9

**Q.5** A situation where the expenditure of the government exceeds its revenue is called ________.

**Ans**
- 1. Default Financing
- 2. Deficit Revenue
- 3. Budget Deficit
- 4. Default Revenue
Q.6 The Global Business Summit, launched on 15 January 2015, is a flagship initiative of the _____ Group.

Ans

1. Economist
2. Bhaskar
3. Times
4. Dutch

Q.7 Special Olympics, held every _____ years, is a global movement of people creating a new world of inclusion, where every single person is accepted and welcomed, regardless of their ability or disability.

Ans

1. five
2. two
3. three
4. four

Q.8 The power to summon the Houses of the Parliament is vested with the _____.

Ans

1. Prime Minister
2. Speaker
3. Vice President
4. President

Q.9 Superstats, a new platform to analyse the game of cricket, comprises of three metrics. Which of the following is NOT one of them?

Ans

1. Score Index
2. Luck Index
3. Smart Stats
4. Forecaster

Q.10 In February 2019, Flight Lieutenant ________ created history by becoming the first Indian woman flight engineer.
Q.11 Safdarjung’s tomb, set in the middle of a garden, was built by Nawab Shuja-ud-Daulah in

Ansh

1. Uttar Pradesh
2. Uttar Pradesh
3. Delhi
4. Bihar

Question ID: 98958014371
Status: Answered
Chosen Option: 2

Q.12 ________ married Mehr-un-Nisa whom he gave the title of ‘Nur Jahan’ (light of the world).

Ansh

1. Shah Jahan
2. Aurangzeb
3. Akbar
4. Jahangir

Question ID: 98958014364
Status: Answered
Chosen Option: 3

Q.13 Which of the following elements is a lanthanide?

Ansh

1. Actinium
2. Francium
3. Cerium
4. Polonium

Question ID: 98958014357
Status: Not Answered
Chosen Option: 4

Q.14 ________ pass connects Uttarakhand and Tibet and is situated in the north of Gangotri.

Ansh

1. Zoji La
2. Bara Lacha La
3. Shipki La
4. Muling La

Question ID: 98958014358
Status: Not Answered
Chosen Option: 4
Q.15 The Parliament of India consists of _____.
Ans  
✓ 1. President, House of the People and Council of States
X 2. House of the People
X 3. House of the People and Council of States
X 4. Council of States

Q.16 In his periodic table, Mendeleev could NOT assign a correct position to _____.
Ans  
X 1. Oxygen
X 2. Carbon
X 3. Nitrogen
✓ 4. Hydrogen

Q.17 A nautical mile is equal to _____.
Ans  
X 1. 2000 metres
X 2. 1852 metres
✓ 3. 1672 metres
✓ 4. 2450 metres

Q.18 _____, activist-journalist from Karnataka, who was shot dead in September 2017, was posthumously conferred the Anna Politkovskaya Award 2017.
Ans  
✓ 1. Gauri Lankesh
X 2. Naveen Gupta
X 3. Sudip Dutta Bhaumik
X 4. Sayed Mehdi

Q.19 _____ Strait separates the islands of Java (east) and Sumatra.
Ans  
✓ 1. Sunda
X 2. Yucatan
X 3. Malacca
X 4. Cook
Q.20 _____ died in 1605, nearly 50 years after his ascension to the throne. He was buried outside of Agra at Sikandra.

Ans

1. Akbar ✔
2. Aurangzeb
3. Shah Jahan
4. Jahangir ❌

Q.21 Swaroop Rawai, an Indian teacher at Lavad Primary School in _____ was in the running for the prestigious Global Teacher Prize 2019 which honours the world’s best teacher.

Ans

1. Gujarat ✔
2. Maharashtra
3. Kerala ❌
4. Tamil Nadu ❌

Q.22 _____ has been called the "architect king" as during his reign, the world witnessed a unique development of arts and culture of the Mughal Empire.

Ans

1. Shah Jahan ✔
2. Jahangir ❌
3. Aurangzeb ❌
4. Akbar ❌

Q.23 It was under the reign of _____ that the Mughal Empire reached its peak in matter of area.

Ans

1. Jahangir ❌
2. Aurangzeb ✔
3. Shah Jahan ❌
4. Akbar ❌

Q.24 Who among the following gave the 'Law of Octaves'?

Ans

1. Lavoisier ❌
2. Lavoisier ✔
2. Mendeleev
3. Newlands
4. Dobereiner

Q.25 Indian origin campaigner _____ was named UK’s Most influential Black Person of the Year on 25 October 2017.

Ans
1. Priti Patel
2. Gina Miller
3. Jonathan Marland
4. David Olusoga

Section: Quantitative Aptitude

Q.1 The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>50</td>
<td>60</td>
<td>45</td>
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<td>2016</td>
<td>63</td>
<td>68</td>
<td>49</td>
<td>49</td>
<td>72</td>
</tr>
</tbody>
</table>

The average production of type A cars during the five years is what percent of the total production of type C cars during the five years?

Ans
1. 22.4
2. 20.6
3. 21.8
4. 18.7

Q.2 If $4x^2 - 6x + 1 = 0$, then the value of $8x^3 + (8x^3)^{-1}$ is:

Ans
1. 36
2. 13
3. 18
4. 11
The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
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<td>E</td>
<td>56</td>
<td>63</td>
<td>64</td>
<td>65</td>
<td>74</td>
</tr>
</tbody>
</table>

What is the ratio of the total production of type C and D cars in 2012 to the total production of type A cars in 2014 and type E cars in 2015?

**Ans**
1. 5 : 6
2. 9 : 11
3. 3 : 4
4. 11 : 12

**Q.4** The average of twelve numbers is 55.5. The average of the first four numbers is 53.4 and that of the next four numbers is 54.6. The 10th number is greater than the 9th number by 3 but lesser than the 11th and 12th numbers by 2 and 3, respectively. What is the average of the 10th and the 12th numbers?

**Ans**
1. 59.5
2. 58
3. 57.5
4. 56

**Q.5** The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
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</thead>
<tbody>
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<td>E</td>
<td>56</td>
<td>63</td>
<td>64</td>
<td>65</td>
<td>74</td>
</tr>
</tbody>
</table>

The total production of type B cars in 2015 and type D cars 2016 is what percent less than the total production of type E cars in five years?

**Ans**
1. \( \frac{50}{3} \)
2. \( \frac{52}{3} \)
3. \( \frac{46}{3} \)
4. \( \frac{53}{3} \)

**Q.6** The speed of train A is 25 km/h more than the speed of train B. A takes 4 hours less time to travel a distance of 300 km than what train B takes to travel 250 km. What is the speed (in km/h) of A?

**Ans**
1. 60
2. 50
3. 65
4. 55

**Q.7** A circle touches the side PQ of a \( \triangle AQP \) at the point R and sides AP and AQ produced at the points B and C, respectively. If the perimeter of \( \triangle AQP = 30 \) cm, then the length of AB is:

**Ans**
1. 20 cm
2. 10 cm
3. 12 cm
4. 15 cm

**Q.8** The income of A is 40% more than that of B. If A got a 25% rise in his income and B got a 40% rise in his income, then the percentage increase in the combined incomes of A and B is:

**Ans**
1. 31.25
2. 34.5
3. 28.25
4. 24.5

**Q.9** A sum of ₹12,000 amounts to ₹20,736 in 3 years at a certain rate percent per annum, interest compounded annually. What will amount of the same sum to in 2 years at the same rate on compound interest?

**Ans**
1. ₹15,640
2. ₹17,820
3. ₹17,280
4. ₹14,520

**Q.10** The marked price of an article is ₹550. A shopkeeper allows a discount of 20% and still gets a profit of 10%. If he sells it for ₹70, his profit percent will be:

**Ans**
1. 16.8
2. 18
3. 17.5
4. 16
Q.11

The value of \( \frac{3}{4} \times 2 \frac{2}{3} \div \frac{5}{9} \) of \( 1 \frac{1}{5} + \frac{2}{23} \times 3 \frac{5}{6} \div \frac{2}{7} \) of \( 2 \frac{1}{3} \) is:

Ans

1. \( \frac{5}{6} \)
2. \( \frac{2}{3} \)
3. \( \frac{3}{2} \)
4. \( \frac{5}{6} \)

Q.12

In a \( \triangle ABC \), right angled at \( B \), \( AB = 7 \text{ cm} \) and \( (AC - BC) = 1 \text{ cm} \). The value of \((\sec C + \cot A)\) is:

Ans

1. \( \frac{19}{24} \)
2. \( \frac{4}{3} \)
3. \( \frac{3}{4} \)
4. 1

Q.13

The curved surface area and the volume of a cylinder are 264 \( \text{cm}^2 \) and 924 \( \text{cm}^3 \), respectively. What is the ratio of its radius to height? (Take \( \pi = \frac{22}{7} \))

Ans

1. 4 : 3
2. 5 : 4
3. 7 : 6
4. 3 : 2

Q.14

The ratio of the efficiencies of A, B and C, to do a certain work is 7 : 3 : 5. Working together, they can complete the work in 21 days. A and C worked together for 15 days. The remaining work will be completed by B alone in:

Ans

1. 54 days
2. 45 days
3. 60 days
Q.15  The table shows the production of different types of cars (in thousands).

<table>
<thead>
<tr>
<th>Car</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
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<td>53</td>
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<td>58</td>
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<tr>
<td>D</td>
<td>58</td>
<td>62</td>
<td>64</td>
<td>67</td>
</tr>
</tbody>
</table>

If the data related to the production of type B cars is represented by a pie chart, then the central angle of the sector representing the production of cars in 2016 is:

**Ans**

1. 56°
2. 81°
3. 75°
4. 73°

Q.16  A bought an article for ₹5,400 and sold it at a loss of 30%. With this amount, he bought another article and sold it at a gain of 60%. What was his overall percentage gain or percentage loss?

**Ans**

1. Gain, 1.2%
2. Gain, 12%
3. Loss, 12%
4. Loss, 1.2%

Q.17  In ΔPQR, QT ⊥ PR and S is a point on QR such that ∠PSQ = p°. If ∠TQR = 46° and ∠SPR = 32°, then the value of p is:

**Ans**

1. 78°
2. 82°
3. 76°
4. 72°

Q.18  If 3 sinθ = 2 cos²θ, 0° < θ < 90°, then the value of (tan²θ + sec²θ - cosec²θ) is:

**Ans**

1. −2
Q.19
If \( \frac{\tan \theta + \sin \theta}{\tan \theta - \sin \theta} = \frac{k+1}{k-1} \), then find the value of \( k \).

Ans
1. cosec \( \theta \)
2. sec \( \theta \)
3. \( \cos \theta \)
4. \( \sin \theta \)

Q.20
If \( x + y + z = 0 \), then the value of \( (x^2 + y^2 + z^2) \div (z^2 - xy) \) is:

Ans
1. 1
2. 2
3. \(-2\)
4. \(-1\)

Q.21
What is the ratio of the mean proportional between 4.8 and 10.8 and the third proportional to 0.4 and 2.47?

Ans
1. 2 : 1
2. 3 : 2
3. 1 : 2
4. 2 : 3

Q.22
In \( \triangle ADC \), E and F are the points on the sides AD and AC respectively such that \( \angle ABE = \angle ADC \). If \( AE = 6 \text{ cm}, BC = 2 \text{ cm}, BE = 3 \text{ cm} \) and \( CD = 5 \text{ cm} \), then \( (AB + DE) \) is equal to:

Ans
1. 14 cm
2. 16 cm
3. \( \frac{49}{3} \) cm
Q.23 Let O be the centre of a circle and AC be its diameter. BD is a chord intersecting AC at E. Point A is joined to B and D. If \( \angle BOC = 50^\circ \) and \( \angle AOD = 110^\circ \), then \( \angle BEC = ? \)

**Ans**
1. 80°
2. 70°
3. 55°
4. 90°

**Question ID:** 98958013364  
**Status:** Not Answered  
**Chosen Option:** --

Q.24 If \( a^2 + b^2 + c^2 + 27 = 6(a + b + c) \), then what is the value of \( \sqrt{a^2 + b^2 - c^2} \)?

**Ans**
1. 3
2. 1
3. 9
4. 6

**Question ID:** 98958013361  
**Status:** Answered  
**Chosen Option:** 1

Q.25 If an 11-digit number \( 5y5884905x6 \), \( x \neq y \), is divisible by 72, then the value of \( \sqrt{xy} \) is:

**Ans**
1. \( \sqrt{7} \)
2. 3
3. 7
4. 2\( \sqrt{7} \)

**Question ID:** 98958013349  
**Status:** Not Answered  
**Chosen Option:** --

Section: English Comprehension

Q.1 Select the correct passive form of the given sentence.

The enemy will have seized the fort before nightfall.

**Ans**
1. The fort would have been seized by the enemy before nightfall.
2. The enemy will be seized by the fort before nightfall
3. The fort will have been seized by the enemy before nightfall.
4. The enemy will seize the fort before nightfall.

**Question ID:** 98958012644
Q.2 Given below are four jumbled sentences. Select the option that gives their correct order.

A. For a split second, as the stranger stepped into the light, his furry head was clearly visible.
B. At first, all seemed still outside the house, except for the sound of the rain.
C. Recognizing him, Joe stood petrified staring at the man wearing a long coat, wet from rain.
D. But then, footsteps approached the house and a stranger emerged out of the darkness.

Ans
1. CABD
2. BCDA
3. DACB
4. BDAC

Q.3 Select the most appropriate antonym of the given word.

NOTORIOUS
Ans
1. famous ✔
2. vicious ❌
3. infamous ❌
4. disgraceful ❌

Q.4 Select the correctly spelt word.

Ans
1. maintenance ✔
2. mentainance ❌
3. maintenence ❌
4. maintenance ❌

Q.5 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Though many European traders visit Puducherry in the sixteenth century onwards, what remains today is a relic of its French past.

Ans
1. No improvement ❌
2. traders visited Puducherry in a sixteenth century onward ❌
3. traders visited Puducherry from the sixteenth century onwards ✔
4. trader visit Puducherry from the sixteenth century onwards ❌
Q.6 Select the most appropriate antonym of the given word.

**SACRED**

**Ans**  
1. perpetual  
2. pious  
3. profane  
4. profound

Q.7 Select the most appropriate meaning of the underlined idiom in the given sentence.

It is unfortunate that most people in the country are still living from hand to mouth.

**Ans**  
1. consuming daily what little is earned  
2. saving for the future generations  
3. doing manual labour  
4. earning wealth by selfish means

Q.8 Select the most appropriate meaning of the underlined idiom in the given sentence.

The loyal watchman was cut to the quick when he was accused of theft.

**Ans**  
1. imprisoned  
2. severely punished  
3. hurt intensely  
4. dismissed

Q.9 In the sentence identify the segment which contains the grammatical error.

Most disputes can be solved amicably unless one are not rigid.

**Ans**  
1. Most disputes  
2. can be solved amicably  
3. unless one are  
4. not rigid
Q.10 Select the correct active form of the given sentence.

She was seen sitting in the last row.

Ans

1. We see her sitting in the last row.
2. We saw her sitting in the last row.
3. We had seen her sitting in the last row.
4. We have seen her sitting in the last row.

Question ID: 98958012645
Status: Answered
Chosen Option: 2

Q.11 Select the word which means the same as the group of words given.

One who is indifferent to art and culture

Ans

1. cynic
2. scientist
3. philanderer
4. philistine

Question ID: 98958012663
Status: Answered
Chosen Option: 1

Q.12 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

The India consensus study highlight a benefits by adding domestic violence prevention approaches to current government policy.

Ans

1. highlight the benefits from added
2. highlight a benefit in addition
3. No improvement
4. highlights the benefits of adding

Question ID: 98958012647
Status: Answered
Chosen Option: 4

Q.13 Select the word which means the same as the group of words given.

One who embraces voluntary death for the sake of one’s country

Ans

1. fanatic
2. martyr
3. patriot
4. diplomat

Question ID: 98958012662
Status: Answered
Chosen Option: 2

Q.14 Given below are four jumbled sentences. Select the option that gives their correct order.

A. The students often go about their business, singing along in the corridors.

Question ID: 98958012663
Status: Answered
Chosen Option: 2
B. But for the students of St. Ambrose High School, it no longer dictates their day.
C. A bell can sound gloomy or cheerful depending on when it is rung.
D. It has been scrapped in favour of music which now breaks up the timetable of the school.

Ans
1. CADB
2. BDAC
3. CBDA
4. ACBD

Q.15 Select the most appropriate synonym of the given word.

PRECARIOUS

Ans
1. abundant
2. dangerous
3. valuable
4. premature

Q.16 Select the most appropriate synonym of the given word.

STERILE

Ans
1. pure
2. productive
3. barren
4. sordid

Q.17 In the sentence identify the segment which contains the grammatical error.

In the northern suburbs of Bengaluru, home to the bulk of the information technology industry, the water crisis is even worst.

Ans
1. home to the bulk of
2. is even worst
3. the water crisis
4. in the northern suburbs

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
Perhaps India should listen to her (1)_____ sages who taught the importance (2)_____ balance. This means we should be (3)_____ not to take anything too far (4)_____ be too radical. The unfortunate results of (5)_____ too far are obvious in the environmental degradation.

**SubQuestion No : 18**

Q.18 Select the most appropriate option to fill in blank No.1.

**Ans**

- 1. extinct
- 2. ancient
- 3. initial
- 4. antique

**Question ID : 98958012649**

- Status : Answered
- Chosen Option : 2

---

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Perhaps India should listen to her (1)_____ sages who taught the importance (2)_____ balance. This means we should be (3)_____ not to take anything too far (4)_____ be too radical. The unfortunate results of (5)_____ too far are obvious in the environmental degradation.

**SubQuestion No : 19**

Q.19 Select the most appropriate option to fill in blank No.2.

**Ans**

- 1. for
- 2. in
- 3. of
- 4. by

**Question ID : 98958012650**

- Status : Answered
- Chosen Option : 3

---

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Perhaps India should listen to her (1)_____ sages who taught the importance (2)_____ balance. This means we should be (3)_____ not to take anything too far (4)_____ be too radical. The unfortunate results of (5)_____ too far are obvious in the environmental degradation.

**SubQuestion No : 20**

Q.20 Select the most appropriate option to fill in blank No.3.

**Ans**

- 1. careless
- 2. careful
- 3. carefree
- 4. caretaker

**Question ID : 98958012651**

- Status : Answered
- Chosen Option : 2
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Perhaps India should listen to her (1)_____ sages who taught the importance (2)_____ balance. This means we should be (3)_____ not to take anything too far (4)_____ be too radical. The unfortunate results of (5)_____ - too far are obvious in the environmental degradation.

SubQuestion No : 21
Q.21 Select the most appropriate option to fill in blank No.4.
Ans

- 1. but
- 2. otherwise
- 3. so
- 4. or

Question ID : 98958012652
Status : Answered
Chosen Option : 4

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Perhaps India should listen to her (1)_____ sages who taught the importance (2)_____ balance. This means we should be (3)_____ not to take anything too far (4)_____ be too radical. The unfortunate results of (5)_____ - too far are obvious in the environmental degradation.

SubQuestion No : 22
Q.22 Select the most appropriate option to fill in blank No.5.
Ans

- 1. venturing
- 2. pioneering
- 3. climbing
- 4. risking

Question ID : 98958012653
Status : Answered
Chosen Option : 1

Q.23 Select the correctly spelt word.
Ans

- 1. adolescence
- 2. adolesece
- 3. adolescence
- 4. adolessence

Question ID : 98958012665
Status : Answered
Chosen Option : 1

Q.24 Select the most appropriate option to fill in the blank.

She performs different roles very convincingly as she is a very _____ actor.

Ans

- 1. virtuous
- 2. voracious
- 3. versatile
- 4. virtuous

Question ID : 98958012666
Status : Answered
Chosen Option : 1
Q.25 Select the most appropriate option to fill in the blank.

Charles Dickens was different in his style of writing from most of his _____ in the Victorian era.

Ans

- 1. contemporaries
- 2. cronies
- 3. critics
- 4. confidants
Q.1 Select the figure that will come next in the following figure series.

Answ. 1.

Q.2 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Answ. 1. Big

Q.3
How many triangles are there in the following figure?

Ans

1. 34
2. 32
3. 36
4. 24

Q.4
Nisha and Deepak are a married couple and have a daughter named Tanya. Currently, Deepak is 5 years older than Nisha and Nisha is thrice the age of Tanya. If Tanya is 10 years old, what was her father’s age at the time of his daughter’s birth?

Ans

1. 35 years
2. 25 years
3. 30 years
4. 20 years

Q.5
Find the missing number from the below options.

19  78  20
25  144  47
16  ?  13

Ans

1. 96
2. 76
3. 58
4. 29

Q.6
Which two signs should be interchanged in the following equation to make it correct?

8 × 2 + 5 − 16 ÷ 4 = 14

Ans

1. × and −
2. \( \times \) and \( + \)
3. \( + \) and \( \times \)
4. \( + \) and \( + \)

Q.7 Select the word pair in which the two words are related in the same way as the two words in the following word-pair.

Season : Winter

Ans
1. Week : Calendar
2. Summer : Autumn
3. Year : Century
4. Month : April

Q.8 Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd one out.

Ans
1. 56 : 49
2. 64 : 54
3. 104 : 91
4. 32 : 28

Q.9 Find the missing number from the below options.

\[
\begin{array}{ccc}
12 & 7 & 95 \\
14 & 8 & 132 \\
16 & ? & 9 \\
\end{array}
\]

Ans
1. 175
2. 164
3. 185
4. 154

Q.10 In a code language, COMPUTER is written as IVGFKNLX. How will TELEPHONE be written in that language?

Ans
1. VMNSKVOVG
2. GVOVKSVMV
Q.11 Select the term that will come next in the following series.

3, 4, 5, 6, 9, 10, 11, 12, 15, ?

Ans

1. 16
2. 17
3. 14
4. 18

Q.12 Select the Venn diagram that best represents the relationship among the given set of classes.

Students, Teachers, School

Ans

1. 
2. 
3. 
4. }

Q.13 A square paper is folded and cut as shown below. How will it appear when unfolded?

Ans
Q.14 Which letter will replace the question mark (?) in the following series?

A, B, E, J, Q, ?

Ans

1. A
2. Y
3. X
4. Z

Q.15 Select the option that is related to the third number in the same way as the second number is related to the first number.

12 : 68 :: 21 : ?

Ans

1. 49
2. 117
3. 119
4. 79

Q.16 Salimah introduced Nidhi to his friend, “She is the daughter of the only son of my father’s wife.” How is Salimah related to Nidhi?

Ans
Q.17 Select the option that will come next in the following series.

BOP, DPN, FQL, HRJ, ?

Ans

1. JSH ✓
2. JSI ×
3. IHS ×
4. ITI ×

Q.18 Three different positions of a dice are shown below. Which number appears on the face opposite number 3?

Ans

1. 5 ✓
2. 6 ×
3. 2 ×
4. 4 ×

Q.19 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans

1. POWZ ✓
2. KNQT ×
3. FILO ×
4. QTWZ ×

Q.20
Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

**Statements:**
- Some teachers are philosophers.
- Some philosophers are writers.

**Conclusions:**
1. Some writers are teachers.
2. No writer is a teacher.

**Ans**
1. Only conclusion II follows
2. Either conclusion I or II follows
3. Neither conclusion I nor II follows
4. Only conclusion I follows

---

**Q.21**
If EAGER is coded as 51759 then how will CADET be coded?

**Ans**
1. 31457
2. 34157
3. 31547
4. 31450

---

**Q.22**
Arrange the following words in a logical and meaningful order.

1) Egypt
2) Africa
3) Great Pyramid
4) World
5) Giza

**Ans**
1. 3, 5, 2, 1, 4
2. 3, 5, 1, 2, 4
3. 5, 3, 1, 2, 4
4. 5, 3, 1, 4, 2

---

**Q.23**
Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

**Ans**
Q.24 Select the figure in which the given figure is embedded.

Ans

1. 

2. 

3. 

4.
Q.25 ‘China’ is related to ‘Yuan’ in the same way as ‘Japan’ is related to ‘_____’.

1. Rand  
2. Sushi  
3. Lira  
4. Yen

Q.1 Who among the following was the first Indian origin recipient of the prestigious Pulitzer Prize?

1. Geeta Anand  
2. Gobind Behari Lal  
3. Siddhartha Mukherjee  
4. Jhumpa Lahiri

Q.2 Of which Indian state is ‘Gamocha’ a cultural symbol?

1. Kerala  
2. Assam  
3. Rajasthan  
4. Haryana

Q.3 How many members are present in the Sri Lankan parliament?

1. 210  
2. 215  
3. 232  
4. 225
Q.4 What is the popular name of 'Ascorbic Acid'?

Ans

1. Vitamin A
2. Vitamin B12
3. Vitamin K
4. Vitamin C

Q.5 Viyahula Giddha' is a popular folk dance performed during marriages in the Indian state of

Ans

1. Odisha
2. Gujarat
3. Punjab
4. Jharkhand

Q.6 Who became the first Indian player to represent India at the Wimbledon Tennis Championship of Independent India?

Ans

1. Ramesh Krishnan
2. Vijay Amritraj
3. Leander Paes
4. Ramanathan Krishnan

Q.7 The explosion of crackers is an example of

Ans

1. Combustion
2. Precipitation
3. Decomposition
4. Evaporation

Q.8 World Global Recycling Day was observed on in 2019.

Ans

1. 2nd January
2. 10th February
Q.9 Who among the following was the first president of Pakistan?

Ans

1. Zulfikar Ali Bhutto

2. Yahya Khan

3. Iskander Mirza

4. Ayub Khan

---

Q.10 An economic condition when there is one buyer and many sellers is called _____.

Ans

1. Oligopoly

2. Monopoly

3. Perfect Competition

4. Monopsony

---

Q.11 Which of the following is a vestigial organ?

Ans

1. Heart

2. Kidney

3. Lungs

4. Appendix

---

Q.12 Which of the following countries has the largest parliament in the world?

Ans

1. UK

2. India

3. China

4. Japan

---

Q.13 Which one of the following is the brightest star in the Orion Constellation?

Ans

1. Betelgeuse
Q.14 What is the dominant chemical present in vinegar?
Ans
1. Malic acid
2. Formic acid
3. Sulphuric acid
4. Ethanoic acid

Q.15 Which of the following Indian islands lies in the Bay of Bengal?
Ans
1. Andaman and Nicobar
2. Lakshadweep
3. Diu
4. Daman

Q.16 Mahatma Gandhi formed the Natal Indian Congress in the year ______.
Ans
1. 1874
2. 1894
3. 1854
4. 1863

Q.17 What is the geographic name given to a deep and narrow valley consisting of steep sides created by weathering and erosion by rivers, wind, rain and tectonic activity?
Ans
1. Buttes
2. Ridge
3. Canyon
4. Basin
| Q.18 | The First Anglo-Burmese War ended with the signing of the ______.  
| Ans | 1. Treaty of Yandabo  
|     | 2. Treaty of Titalia  
|     | 3. Treaty of Purandar  
|     | 4. Treaty of Salbai  

Question ID: 98958014388  
Status: Not Answered  
Chosen Option: --

| Q.19 | Who among the following is the author of the book 'A Passage to England'?  
| Ans | 1. Nirad C Chaudhuri  
|     | 2. V S Naipaul  
|     | 4. Khushwant Singh  

Question ID: 98958014390  
Status: Not Answered  
Chosen Option: --

| Q.20 | Who authored 'A Century is not Enough’in 2018?  
| Ans | 1. Sourav Ganguly  
|     | 2. Sachin Tendulkar  
|     | 3. MS Dhoni  
|     | 4. Virat Kohli  

Question ID: 98958014396  
Status: Answered  
Chosen Option: 1

| Q.21 | Who among the following became the first woman to win the Abel Prize 2019?  
| Ans | 1. Sophie Germain  
|     | 2. Maryam Mirzakhani  
|     | 3. Karen Uhlenbeck  
|     | 4. Julia Robinson  

Question ID: 98958014397  
Status: Answered  
Chosen Option: 3

| Q.22 | In which year did Independent India win its first Olympic Gold in the game of hockey?  
| Ans | 1. 1952  
|     | 2. 1960  
|     | 3. 1948  
|     | 4. 1956  

Question ID: 98958014395  
Status: Answered  
Chosen Option: 4
Q.23 Silent Valley National Park is located in the Indian state of ________.

Ans
- 1. Madhya Pradesh
- 2. West Bengal
- 3. Kerala
- 4. Uttarakhand

Q.24 The Bangladesh Liberation War ended on ____.

Ans
- 1. 14th November 1972
- 2. 16th December 1971
- 3. 17th October 1971
- 4. 2nd October 1974

Q.25 What is the name given to the graph that shows all the combinations of two commodities that a consumer can afford at given market prices and within the particular income level in economic terms?

Ans
- 1. Demand Curve
- 2. Isocost Line
- 3. Supply Curve
- 4. Budget Line

Q.1 An article is sold for ₹728 after successive discounts of 20% and 12%. What is the marked price of the article?

Ans
- 1. ₹760
- 2. ₹740
- 3. ₹750
- 4. ₹780
The table below shows the number of students enrolled in five colleges over the five years (2010 to 2014).

<table>
<thead>
<tr>
<th>Year</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
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<td>2014</td>
<td>430</td>
<td>290</td>
<td>340</td>
<td>480</td>
<td>460</td>
</tr>
</tbody>
</table>

What is the average number of students studying in college D over the given years?

**Ans**

1. 450
2. 420
3. 430
4. 440

**Q.3** A train without stoppage travels with an average speed of 50 km/h, and with stoppage, it travels with an average speed of 40 km/h. For how many minutes does the train stop on an average per hour?

**Ans**

1. 12
2. 13
3. 14
4. 15

**Q.4** If \( x + \frac{1}{x} = 3 \), then \( x^3 + \frac{1}{x^3} \) is equal to:

**Ans**

1. 27
2. 36
3. 24
4. 18

**Q.5** A is 40% more efficient than B and C is 20% less efficient than B. Working together, they can finish a work in 5 days. In how many days will A alone complete 70% of that work?

**Ans**

1. 9
2. 7
3. 10
4. 8
Q.6
If \( \tan \theta = \frac{2}{3} \), then \( \frac{3 \sin \theta - 4 \cos \theta}{3 \sin \theta + 4 \cos \theta} \) is equal to:

Ans

- 1. \( \frac{1}{3} \)
- 2. \( \frac{2}{3} \)
- 3. \( -\frac{2}{3} \)
- 4. \( \frac{1}{3} \)

Question ID: 98958013393
Status: Answered
Chosen Option: 1

Q.7
If \( \sec 4\theta = \cosec(\theta + 20^\circ) \), then \( \theta \) is equal to:

Ans

- 1. 22°
- 2. 18°
- 3. 14°
- 4. 20°

Question ID: 98958013392
Status: Answered
Chosen Option: 3

Q.8
In a circle with centre O, AB is the diameter and CD is a chord such that ABCD is a trapezium. If \( \angle BAC = 40^\circ \), then \( \angle CAD \) is equal to:

Ans

- 1. 15°
- 2. 20°
- 3. 50°
- 4. 10°

Question ID: 98958013389
Status: Answered
Chosen Option: 2

Q.9
The value of \( \sin^2 38^\circ + \sin^2 52^\circ + \sin^2 30^\circ - \tan^2 45^\circ \) is equal to:

Ans

- 1. \( \frac{1}{3} \)
- 2. \( \frac{1}{4} \)
- 3. \( \frac{3}{4} \)
- 4. \( \frac{1}{2} \)

Question ID: 98958013394
Status: Answered
Chosen Option: 2
Q.10 \( \triangle ABC \sim \triangle RQP \) and \( AB = 4 \text{ cm}, BC = 6 \text{ cm} \) and \( AC = 5 \text{ cm}. \) If \( \text{ar}(\triangle ABC) : \text{ar}(\triangle PQR) = 9 : 4, \) then \( PQ \) is equal to:

- 1. \( \frac{20}{9} \text{ cm} \)
- 2. \( \frac{8}{3} \text{ cm} \)
- 3. \( 4 \text{ cm} \)
- 4. \( \frac{16}{3} \text{ cm} \)

Q.11 The table below shows the number of students enrolled in five colleges over the five years (2010 to 2014).

<table>
<thead>
<tr>
<th>College</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>2010</td>
<td>450</td>
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<td>330</td>
<td>430</td>
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<td></td>
<td>2014</td>
<td>420</td>
<td>360</td>
<td>340</td>
<td>480</td>
</tr>
</tbody>
</table>

In the year 2014, what percent of students were enrolled in college C (correct to one decimal place)?

- 1. 16.9%
- 2. 17.3%
- 3. 16.7%
- 4. 17.1%

Q.12 The radius of a sphere is reduced by 40%. By what percent will its volume decrease?

- 1. 60%
- 2. 64%
- 3. 72.5%
- 4. 78.4%

Q.13 If \( \sqrt{x} - \frac{1}{\sqrt{x}} = 4, \) then \( x^2 + \frac{1}{x^2} \) is equal to:

- 1. 192
- 2. 326
- 3. 322
- 4. 256
Q.14 The table below shows the number of students enrolled in five colleges over five years (2010 to 2014).

<table>
<thead>
<tr>
<th>College</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
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<td>420</td>
<td>390</td>
<td>340</td>
<td>440</td>
<td>480</td>
</tr>
</tbody>
</table>

What is the ratio of the total students enrolled in colleges A and B in the year 2012 to the total students enrolled in colleges D and E in the year 2013?

Ans

1. 62 : 85
2. 62 : 88
3. 63 : 86
4. 58 : 63

Question ID: 98958013395
Status: Answered
Chosen Option: 3

Q.15 The price of sugar is increased by 20%. A person wants to increase his expenditure by 8% only. By what percent should he decrease his consumption?

Ans

1. 10%
2. 11%
3. 9%
4. 12%

Question ID: 98958013378
Status: Not Answered
Chosen Option: --

Q.16 The value of $4.5 - (3.2 \div 0.8 \times 5) + 3 \times 4 \div 6$ is:

Ans

1. $-13.5$
2. 4.2
3. $-8.5$
4. 5.7

Question ID: 98958013375
Status: Answered
Chosen Option: 4

Q.17 From a point P outside a circle, PAB is a secant and PT is a tangent to the circle, where, A, B and T are points on the circle. If PT = 5 cm, PA = 4 cm and AB = x cm, then x is equal to:

Ans

1. 2.25 cm
2. 2.75 cm
3. 2.45 cm
4. 1.75 cm

Question ID: 98958013388
Status: Answered
Chosen Option: 1
Q.18 The average marks of 40 students was found to be 68. If the marks of two students were incorrectly entered as 48 and 64 instead of 84 and 46 respectively, then what is the correct average?

Ans  
1. 68.25
2. 68.15
3. 68.45  
4. 68.35

Q.19 If \(a + b + c = 13\) and \(ab + bc + ca = 54\), then \(a^3 + b^3 + c^3 - 3abc\) is equal to:

Ans  
1. 793
2. 273
3. 91  
4. 182

Q.20 If \(a : b = 3 : 2\), then \((5a + 2b) : (3a + 4b)\) is equal to:

Ans  
1. 16 : 15
2. 8 : 7
3. 19 : 17  
4. 17 : 14

Q.21 Two articles are sold for ₹9,720 each. On one, the seller gains 5% and on the other, he loses 10%. What is his overall gain or loss?

Ans  
1. ₹380 gain
2. ₹380 loss
3. ₹360 loss  
4. ₹360 gain

Q.22 The difference between the compound interest and simple interest on ₹ \(x\) at 8% per annum for 2 years is ₹19.20. What is the value of \(x\)?

Ans  
1. 2,500
2. 3,200
Q.23 The table below shows the number of students enrolled in five colleges over the five years (2010 to 2014).

<table>
<thead>
<tr>
<th>Year</th>
<th>College A</th>
<th>College B</th>
<th>College C</th>
<th>College D</th>
<th>College E</th>
</tr>
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</tbody>
</table>

The number of students studying in college E in the year 2013 is approximately what percent of the number of students studying in colleges B, C and D taken together in the year 2013 (nearest to one decimal place)?

Ans 1. 38.2%
2. 38.6%
3. 39.1%
4. 39.4%

Q.24 In Δ ABC, AD is the median and G is a point on AD such that AG : GD = 2 : 1. Then ar(Δ BGD) : ar(Δ ABC) is equal to:

Ans 1. 1 : 4
2. 1 : 9
3. 1 : 6
4. 1 : 3

Q.25 If the six digit number 15x1y2 is divisible by 44, then (x + y) is equal to:

Ans 1. 8
2. 7
3. 6
4. 9

Section: English Comprehension

Q.1 Select the most appropriate antonym of the given word.

ACCEPT

Ans 1. reject
Q.2 Select the most appropriate option to fill in the blank.

Technology can be _____ and people seem to be more attached to screens than ever before.

Ans 1. addictive
2. infatuated
3. incorrigible
4. contagious

Q.3 Select the correctly spelt word.

Ans 1. challeng
2. challange
3. chalenge
4. challenge

Q.4 Select the correct active form of the given sentence.

Let the bell be rung every forty minutes.

Ans 1. The bell should be rung every forty minutes
2. Ring the bell every forty minutes.
3. The bell ought to be rung every forty minutes
4. Let the bell keep ringing every forty minutes.

Q.5 Select the word which means the same as the group of words given.

Something which is fit to be eaten

Ans 1. unpalatable
2. delicious
3. edible
4. tasty
Q.6 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Biologists believe that increased human activity means an accelerated rate of change in habitat for all creatures of the world.

Ans

1. No improvement
2. human activity meant a accelerated rate in change
3. human activities mean an accelerated rate from change
4. human activity is meaning an accelerated rate of change

Q.7 Given below are four jumbled sentences. Select the option that gives their correct order.

A. Here, the picture perfect French Quarter and heritage laden Tamil streets blend into one another.
B. The conflict of coexistence is evident in many metropolitan cities.
C. The old and new, like two different worlds, surviving side by side yet never crossing that chasm.
D. There is a place though- Puducherry, where contrasts are celebrated like nowhere else.

Ans

1. BACD
2. BCDA
3. DCBA
4. CDAB

Q.8 Select the word which means the same as the group of words given.

Something which cannot be understood.

Ans

1. illegible
2. incomprehensible
3. inexplicable
4. infallible

Q.9 Select the correct passive form of the given sentence.

He is clicking good pictures with his new camera.

Ans

1. Good pictures were clicked with his new camera.
2. Good pictures have been clicked with his new camera.
3. Good pictures are being clicked with his new camera.
4. Good pictures are clicked with his new camera.
Q.10 In the sentence identify the segment which contains the grammatical error.

No sooner did he see the tiger when he ran as fast as he could.

Ans

1. no sooner did
2. he see the tiger
3. when he ran
4. as fast as he could

Q.11 Select the most appropriate synonym of the given word.

PENSIVE

Ans

1. spontaneous
2. spiteful
3. reflective
4. tragic

Q.12 Select the most appropriate meaning of the underlined idiom in the given sentence.

Coming from an affluent family, she found herself a square peg in a round hole when she married a poor farmer and moved to a small village.

Ans

1. in a favourable situation
2. unhappy and regretful
3. a misfit in the environment
4. in a financial crisis

Q.13 Select the most appropriate synonym of the given word.

VINDICTIVE

Ans

1. watchful
2. revengeful
3. forceful
4. helpful
Q.14 Select the most appropriate meaning of the underlined idiom in the given sentence.

When his envious competitor extended a hand of friendship, he **smelt a rat**.

Ans

1. detected something wrong
2. felt very pleased
3. became complaisant
4. behaved arrogantly

Question ID: 98958012686
Status: Answered
Chosen Option: 1

Q.15 In the sentence identify the segment which contains the grammatical error.

The match is about to begin since the captain as well as the team are on the field.

Ans

1. are on the field
2. The match is about to begin
3. since the captain
4. as well as the team

Question ID: 98958012668
Status: Answered
Chosen Option: 3

Q.16 Given below are four jumbled sentences. Select the option that gives their correct order.

A. European cloth manufacturers therefore had to depend on a plant called woad to make dyes.
B. However, cloth dyers preferred indigo which produced a rich blue colour.
C. Being a plant of the temperate zones, woad was easily available in Europe.
D. Indian indigo was very expensive and only small quantities reached the European markets.

Ans

1. CBDA
2. DCAB
3. ACBD
4. DACB

Question ID: 98958012680
Status: Answered
Chosen Option: 4

Q.17 Select the most appropriate antonym of the given word.

**AFFINITY**

Ans

1. aversion
2. attraction
3. empathy
4. preference

Question ID: 98958012685
Status: Answered
Chosen Option: 1
Q.18 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

A reason why there are so much misconception on dyslexia could be the sheer invisibility of the disorder.

Ans

1. there are so much misconceptions against dyslexia
2. there are so many misconceptions about dyslexia
3. there are so many misconception around dyslexia
4. No improvement

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Telling someone something that you admire about them can be called a random act (1)______ kindness. It takes almost no (2)______ yet it pays enormous dividends. Many people (3)______ their entire lives wishing that others would (4)______ them. Expectations are more from family and friends, (5)______, even compliments from strangers feel good if they are genuine.

SubQuestion No : 19
Q.19 Select the most appropriate option to fill in blank No.1.

Ans

1. with
2. of
3. from
4. in

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Telling someone something that you admire about them can be called a random act (1)______ kindness. It takes almost no (2)______ yet it pays enormous dividends. Many people (3)______ their entire lives wishing that others would (4)______ them. Expectations are more from family and friends, (5)______, even compliments from strangers feel good if they are genuine.

SubQuestion No : 20
Q.20 Select the most appropriate option to fill in blank No.2.

Ans

1. venture
2. work
3. effort
4. attempt

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Downloaded from  - www.exammix.com
Telling someone something that you admire about them can be called a random act of kindness. It takes almost no effort yet it pays enormous dividends. Many people spend their entire lives wishing that others would acknowledge them. Expectations are more from family and friends, however, even compliments from strangers feel good if they are genuine.

SubQuestion No: 21
Q.21 Select the most appropriate option to fill in blank No.3.
Ans

1. spent
2. had spent
3. have been spending
4. spend

SubQuestion No: 22
Q.22 Select the most appropriate option to fill in blank No.4.
Ans

1. confess
2. acknowledge
3. concede
4. admit

SubQuestion No: 23
Q.23 Select the most appropriate option to fill in blank No.5.
Ans

1. so
2. however
3. and
4. unless
People of the older generation ______ over the good old school days.

<table>
<thead>
<tr>
<th>Ans</th>
<th>1. remember</th>
<th>2. remind</th>
<th>3. retribute</th>
<th>4. reminisce</th>
</tr>
</thead>
</table>

Q.25 Select the correctly spelt word.

<table>
<thead>
<tr>
<th>Ans</th>
<th>1. concentious</th>
<th>2. conscientious</th>
<th>3. conscientious</th>
<th>4. consenteous</th>
</tr>
</thead>
</table>

<table>
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<tr>
<th>Question ID : 98958012693</th>
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<tbody>
<tr>
<td>Status : Answered</td>
</tr>
<tr>
<td>Chosen Option : 4</td>
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<tr>
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</tr>
<tr>
<td>Chosen Option : 3</td>
</tr>
</tbody>
</table>
Q.1
‘Fly’ is related to ‘Bird’ in the same way as ‘Gallop’ is related to ‘_____’.

Ans
☐ 1. Tiger
☐ 2. Lion
☐ 3. Horse
☑ 4. Elephant

Question ID: 98958013803
Status: Answered
Chosen Option: 3

Q.2
Select the option that is related to the third term in the same way as the second term is related to the first term.

WOLF : FLOW :: DRAW :

Ans
☐ 1. WRAD
☑ 2. WARD
☐ 3. RWAD
☐ 4. DARW

Question ID: 98958013102
Status: Answered
Chosen Option: 2

Q.3
Select the figure in which the given figure is embedded.

Ans
☐ 1. 

Downloaded from - www.exammix.com
Q.4 Select the correct mirror image of the given figure when the mirror is placed on the right of the figure.

Ans

1.  

2.  

3. 
Q. 5  Select the option that is related to the third number in the same way as the second number is related to the first number.

17 : 102 :: 23 : ___________

Ans  
1. 196  
2. 256  
3. 138  
4. 152

Q. 6  Bharat and Sapna are husband and wife. Rohit and Bharat are brothers. Suresh is the father of Rohit. Sapna’s son is Krish. How is Krish related to Suresh?

Ans  
1. Son  
2. Father  
3. Uncle  
4. Grandson

Q. 7  Three different positions of a dice are shown below. Which number appears on the face opposite the number 4?

Ans  
1. 3  
2. 2  
3. 6  
4. 5
How many triangles are there in the following figure?

1. 33
2. 18
3. 31
4. 29

Q.9 Select the figure that will come next in the following figure series.

1. 
2. 
3. 
4. 

Q.10
Choose the Venn diagram from the given options which best represents the relationship amongst the following classes:

Players, Singers, Students

Ans

✓ 1.

✗ 2.

✗ 3.

✗ 4.

Q.11 Three of the following four word-pairs are alike in a certain way and one is different. Pick the odd one out.

Ans

✗ 1. Scalpel : Surgeon

✗ 2. Chisel : Sculptor

✗ 3. Anvil : Blacksmith

✓ 4. Paper : Book

Question ID: 98958013823
Status: Answered
Chosen Option: 1

Q.12 If SUN is coded as NUS and TOP is coded as POT, then which is the last letter in the code for the word FUR?

Ans

✓ 1. F

✗ 2. U

✗ 3. R

✗ 4. E

Question ID: 98958013802
Status: Not Attempted and Marked For Review
Chosen Option: --

Q.13 A father was twelve times as old as his son twenty years ago. Now he is twice as old as his son. What are the present ages of the son and father?

Ans

✓ 1. 22 and 44 years
2. 33 and 66 years
3. 27 and 54 years
4. 15 and 30 years

Q.14
If DON is coded as 345 and ROAM is coded as 6412, then how will RANDOM be coded?

Ans
1. 615342
2. 615324
3. 613542
4. 651342

Q.15
Find the missing number from the below options.

9  28  85
12  37  ?
16  49  148

Ans
1. 134
2. 112
3. 96
4. 140

Q.16
Three of the following four word pairs are alike in a certain way and one is different. Pick the odd word out.

1. Dogri : Jammu and Kashmir
2. Tamil : Kerala
3. Bori : Arunachal Pradesh
4. Konkani : Goa

Q.17
A square paper is folded and cut as shown below. How will it appear when unfolded?

Ans

Q.18 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans

Q.19 Select the word pair in which the two words are related in the same way as the word pair given below.

Feet : Socks

Ans
Q.20 Find the next term in this series.
CBA, FGE, ILI, LQM, ?

Ans
1. OVP
2. NVQ
3. OUP
4. OVQ

Q.21 Which two signs should be interchanged to make the given equation correct?

16 + 3 - 5 × 2 + 4 = 9

Ans
1. + and +
2. × and -
3. + and ×
4. × and +

Q.22 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans
1. SUW
2. FHJ
3. PQR
4. KMO

Q.23 Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd one out.

Ans
1. 8 : 69
2. 13 : 179
3. 12 : 149
4. 14 : 201

Q.24
If
+ denotes –
– denotes *
* denotes /
/ denotes +

then what will be the value of

\[ 25 - 2 / 10 * 5 + 2 = ? \]

Ans
1. 10
2. 26
3. 58
4. 50

Q.25 Select the term that will come next in the following series.
5, 9, ?, 29, 45

Ans
1. 25
2. 17
3. 15
4. 19

Section: General Awareness

Q.1 Who was the first female shooter from India to reach number 1 in world ranking by the International Shooting Sport Federation in 2014?

Ans
1. Heena Sidhu
2. Anjali Bhagwat
3. Shreyasi Singh
4. Anisha Sayyed

Q.2 The Hindustan Socialist Republican Association (HSRA) was formed in the year ____ with an aim to overthrow the British.

Ans
1. 1930
Q.3 Which of the following is the busiest sea port in Pakistan?
Ans 1. Port of Keti
   2. Gwadar Port
   3. Port of Karachi
   4. Port of Qasim

Q.4 What is the definition for the term 'hibernation'?
Ans 1. A state of hyperactivity in spring time among birds
   2. Building of habitat (nests) by birds to save themselves in rainy season
   3. A state of reduced metabolic activity during winter season among some animals
   4. A habit of food conservation during summer season for winter among animals

Q.5 Janku' is a unique cultural custom followed in _______ as a celebration of life.
Ans 1. Sri Lanka
   2. Nepal
   3. Bhutan
   4. Pakistan

Q.6 As a reaction to Rowlatt Act, _______ was organised as National Humiliation Day.
Ans 1. 14th June 1921
   2. 6th April 1919
   3. 2nd February 1913
   4. 8th May 1920

Q.7 Who was the first Indian to receive the Ramon Magsaysay Award for his contribution to
<table>
<thead>
<tr>
<th>Question</th>
<th>Correct Answer(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q.8</td>
<td>Latitude</td>
</tr>
<tr>
<td>Q.9</td>
<td>Pupa</td>
</tr>
<tr>
<td>Q.10</td>
<td>Goods sold between industries for the resale or production of other goods</td>
</tr>
<tr>
<td>Q.11</td>
<td>350</td>
</tr>
</tbody>
</table>

**Q.8** What is the term used to describe the angular distance of a place north or south of Earth's equator?

1. Hemisphere  
2. Pole  
3. Longitude  
4. Latitude

**Q.9** Which of the following is the third stage in the metamorphosis of a butterfly?

1. Egg  
2. Pupa  
3. Adult  
4. Larva

**Q.10** In economic terms what do we mean by 'intermediate goods'?

1. Goods sold between industries for the resale or production of other goods  
2. Goods in transit before reaching the consumers  
3. Price of goods without GST  
4. Fixed assets used by manufacturers

**Q.11** The maximum strength of the Bangladeshi Parliament is ______.

1. 350  
2. 340  
3. 322  
4. 363
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q.12 How many provinces is the country of Nepal divided into?</td>
<td>Ans 1. 5, 2. 7, 4. 6</td>
</tr>
<tr>
<td>Q.13 Which world leader is awarded the St Andrew the Apostle, the highest order of the Russian Federation in the year 2019?</td>
<td>Ans 1. Emmanuel Macron, 2. Narendra Modi, 3. Donald Trump</td>
</tr>
<tr>
<td>Q.14 Which of the following kings is regarded as the founder of the Kingdom of Nepal?</td>
<td>Ans 1. Rana Bahadur Shah, 3. Prithivi Narayan Shah</td>
</tr>
<tr>
<td>Q.15 The term 'Putt' is used in this sport ______.</td>
<td>Ans 1. Cricket, 3. Golf</td>
</tr>
<tr>
<td>Q.16 Which of the following plants is carnivorous?</td>
<td>Ans 1. Cypress Vine, 2. Venus Flytrap</td>
</tr>
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<td>Q.13 Which world leader is awarded the St Andrew the Apostle, the highest order of the Russian Federation in the year 2019?</td>
<td>Ans 1. Emmanuel Macron, 2. Narendra Modi, 3. Donald Trump</td>
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</table>
Q.17 Which tribe of Pakistan performs a traditional dance form called 'Waziri Dance'?

Ans

1. Sindhi
   
2. Baloch

✓ 3. Pashtun

✓ 4. Brahuis

Q.18 The Khilafat Movement of 1920 was organised as a protest against the injustice done to ______.

Ans

✓ 1. Turkey

✓ 2. Egypt

✓ 3. Afghanistan

✓ 4. Iraq

Q.19 How many 'canine teeth' does an adult human have?

Ans

✓ 1. 8

✓ 2. 4

✓ 3. 3

✓ 4. 2

Q.20 Atal Tinkering Labs is an initiative by which of the following institutions?

Ans

✓ 1. National AYUSH Mission

✓ 2. Central Board of Secondary Education

✓ 3. Reserve Bank of India

✓ 4. NITI Aayog

Q.21 A traditional 'battery' contains which of the following chemicals?

Ans

✓ 1. Ethylene glycol

✓ 2. Sulphuric acid

✓ 3. Sodium bicarbonate

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Q.22 In which year was the term 'Gross Happiness Index' coined by the fourth king of Bhutan, Jigme Singye Wangchuck?
Ans

1. 1982
2. 1964
3. 1989
4. 1972

Q.23 Mother Teresa, the founder of 'Missionaries of Charity', was born on _____.
Ans

1. 13th January 1912
2. 26th August 1910
3. 2nd February 1913
4. 15th May 1907

Q.24 In 2018, Amnesty International stripped _____ of the Ambassador of Conscience Award given in 2009.
Ans

1. Al Gore
2. Aung San Suu Kyi
3. Benjamin Netanyahu
4. Henri Tiphagne

Q.25 _____ was not only Sri Lanka's first woman prime minister, but also the first woman prime minister in the world.
Ans

1. Sirimavo Bandaranaike
2. Upeksha Swarnamali
3. Rosy Senanayake
4. Chandrika Kumaratunga
Q.1  The table below shows the percentage of students and the ratio of boys and girls in different colleges. Total students = 1800

<table>
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<tr>
<th>College</th>
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<td>4 : 5</td>
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<td>58</td>
<td>1 : 2</td>
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<tr>
<td>E</td>
<td>40</td>
<td>3 : 4</td>
</tr>
<tr>
<td>F</td>
<td>16</td>
<td>5 : 7</td>
</tr>
</tbody>
</table>

What is the percentage of girls in colleges D, E and F taken together, (nearest to one decimal place)?

Ans  
✓ 1. 47.9%  
✗ 2. 48.1%  
✗ 3. 48.5%  
✗ 4. 48.3%

Question ID: 98958013421  
Status: Not Answered  
Chosen Option: --

Q.2  The difference between the compound interest and simple interest on ₹x at 9% per annum for 2 years is ₹20.25. What is the value of x?

Ans  
✗ 1. 2,800  
✗ 2. 2,400  
✗ 3. 2,200  
✓ 4. 2,500

Question ID: 98958013406  
Status: Answered  
Chosen Option: 4

Q.3  When $2\sin^2\theta = 3\cos\theta$, and $0 \leq \theta \leq 90^\circ$, then $\theta = ?$

Ans  
✗ 1. 45°  
✗ 2. 30°  
✗ 3. 90°  
✓ 4. 60°

Question ID: 98958013223  
Status: Answered  
Chosen Option: 4

Q.4  If $x + \frac{1}{x} = \sqrt{5}$, then $x^3 + \frac{1}{x^3}$ is equal to:

Ans  
✗ 1. $3\sqrt{5}$  
✗ 2. $4\sqrt{5}$  
✓ 3. $2\sqrt{5}$  
✗ 4. $5\sqrt{5}$

Question ID: 98958013410  
Status: Answered  
Chosen Option: 3
Q.5 In a circle with centre O, AB is a diameter and CD is a chord such that ABCD is a trapezium. If $\angle BAC = 15^\circ$, then $\angle CAD$ is equal to:

Ans

1. $30^\circ$
2. $60^\circ$
3. $75^\circ$
4. $45^\circ$

Question ID: 98958013414
Status: Answered
Chosen Option: 2

Q.6 If $(3x - 1)^2 + (4x - 3)^2 + (2x + 1)^2 = 3(3x - 1)(4x - 3)(2x + 1)$ and $x = \frac{1}{2}$, then $x =$ ?

Ans

1. $\frac{1}{2}$
2. $2$
3. $\frac{1}{4}$
4. $1$

Question ID: 98958013221
Status: Not Answered
Chosen Option: --

Q.7 An article is sold for ₹642.60 after successive discounts of 15% and 10%. What is the marked price of the article?

Ans

1. ₹840
2. ₹820
3. ₹800
4. ₹880

Question ID: 98958013402
Status: Answered
Chosen Option: 1

Q.8 The price of sugar is increased by 18%. A person wants to increase the expenditure by 12% only. By what percent, correct to one decimal place, should he decrease his consumption?

Ans

1. 6%
2. 5.1%
3. 5.3%
4. 5.6%

Question ID: 98958013403
Status: Not Answered
Chosen Option: --

Q.9
The table below shows the percentage of students and the ratio of boys and girls in different colleges. Total students = 1800.

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If 10% of the girls from college A are transferred to college E, then what is the increase in the percentage of girls in college E?

Ans
1. 4%
2. 4.4%
3. 4.6%
4. 4.2%

Q.10 \( \triangle ABC \sim \triangle DEF \) and \( AB = 5\ cm, BC = 8\ cm \) and \( AC = 10\ cm \). If \( \text{ar}(\triangle ABC) : \text{ar}(\triangle DEF) = 9 : 4 \), then DF is equal to:

Ans
1. \( \frac{20}{3} \) cm
2. \( \frac{32}{9} \) cm
3. \( \frac{10}{3} \) cm
4. \( \frac{16}{3} \) cm

Q.11 The table below shows the percentage of students and the ratio of boys and girls in different colleges. Total students = 1800.

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<td>F</td>
<td>16</td>
<td>8:7</td>
</tr>
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</table>

What is the ratio of boys and girls in the colleges A and B taken together?

Ans
1. 45 : 71
2. 37 : 52
3. 43 : 67
4. 67 : 104

Q.12 If the six digit number 6x2904 is divisible by 88, then the value of x is:

Ans
1. 5
2. 6

---

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Q.13 In a \( \triangle ABC \), the sides are \( AB = 16 \text{ cm} \), \( AC = 63 \text{ cm} \), \( BC = 65 \text{ cm} \). From A, a straight line AM is drawn up to the midpoint M of side BC. Then the length of AM is equal to:

Ans

1. 32.5 cm
2. 24.5 cm
3. 23.5 cm
4. 31.5 cm

Q.14 The table below shows the percentage of students and the ratio of boys and girls in different colleges. Total students = 1800:

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<td>D</td>
<td>22</td>
<td>6 : 5</td>
</tr>
<tr>
<td>E</td>
<td>10</td>
<td>7 : 3</td>
</tr>
<tr>
<td>F</td>
<td>16</td>
<td>9 : 7</td>
</tr>
</tbody>
</table>

In which college is the percentage difference between the number of boys and girls minimum?

Ans

1. A
2. E
3. C
4. D

Q.15 The value of \( \sin^2 60^\circ - \cos^2 45^\circ + \sec 60^\circ + \cos^2 40^\circ + \cos^2 50^\circ \) is equal to:

Ans

1. \[ \frac{13}{4} \]
2. \[ \frac{7}{2} \]
3. \[ \frac{11}{4} \]
4. \[ \frac{9}{14} \]

Q.16 In \( \triangle ABC \), AD is median and G is the point on AD such that AG : GD = 2 : 1. Then \( \text{ar}(\triangle ABG) : \text{ar}(\triangle ABC) \) is equal to:

Ans

1. 1 : 5

Question ID: 98958013399
Status: Answered
Chosen Option: 1

Question ID: 98958013222
Status: Not Answered
Chosen Option: --

Question ID: 98958013422
Status: Not Answered
Chosen Option: --

Question ID: 98958013419
Status: Answered
Chosen Option: 1

Question ID: 98958013419
Status: Answered
Chosen Option: 1

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Q.17
If \( \tan \theta = \frac{2}{4} \), then \( \frac{4 \sin \theta - \cos \theta}{4 \sin \theta + \cos \theta} \) is equal to:

- 1. \( \frac{1}{4} \)
- 2. \( \frac{3}{5} \)
- 3. \( \frac{2}{5} \)
- 4. \( \frac{1}{2} \)

Question ID: 98958013415
Status: Answered
Chosen Option: 4

Q.18
If \( a + b + c = 11 \) and \( ab + bc + ca = 38 \), then \( a^3 + b^3 + c^3 - 3abc \) is equal to:

- 1. 44
- 2. 77
- 3. 55
- 4. 66

Question ID: 98958013418
Status: Answered
Chosen Option: 4

Q.19
If \( x - 5\sqrt{x} - 1 = 0 \), then \( x^2 + \frac{1}{x^2} \) is equal to:

- 1. 625
- 2. 731
- 3. 729
- 4. 727

Question ID: 98958013412
Status: Answered
Chosen Option: 2

Q.20
Two articles are sold for \( \₹ 0.384 \) each. On one, the seller gains 18% and on the other, he loses 12%. What is his overall gain or loss?

- 1. \( \₹ 178 \) loss
- 2. \( \₹ 168 \) loss

Question ID: 98958013411
Status: Not Answered
Chosen Option: --
3. ₹178 gain

4. ₹168 gain

Q.21
The value of $3.8 - (4.2 \div 0.7 \times 3) + 5 \times 2 - 0.5$ is:

Ans

1. 5.8

2. 18.4

3. 21.8

4. 15.6

Q.22
If $a : b = 4 : 5$, then $(2a + 3b) : (3a + 2b)$ is equal to:

Ans

1. 22 : 23

2. 23 : 22

3. 10 : 9

4. 9 : 10

Q.23
The radius of a sphere is increased by 140%. By what percent will its volume increase?

Ans

1. 174.4%

2. 1382.4%

3. 274.4%

4. 1282.4%

Q.24
The average marks of 50 students in a class were found to be 64. If the marks of two students were incorrectly entered as 38 and 42 instead of 83 and 24, respectively, then what is the correct average?

Ans

1. 64.54

2. 62.32

3. 61.24

4. 61.86
Q.25 A train without stoppage travels with an average speed of 70km/h, and with stoppage, it travels with the average speed of 56km/h. How many minutes, does the train stop on an average per hour?

Ans

1. 12
2. 14
3. 16
4. 15

Question ID: 98958013408
Status: Not Answered
Chosen Option: --

Section: English Comprehension

Q.1 Select the most appropriate option to fill in the blank.

I was frustrated at not being able to _____ of my old car.

Ans

1. deal
2. de
3. depose
4. dispose

Question ID: 98958012718
Status: Answered
Chosen Option: 4

Q.2 In the sentence identify the segment which contains the grammatical error.

Supriya asked Kiran that where had her mother gone when the results of the contest were being declared.

Ans

1. that where had her mother gone
2. Supriya asked Kiran
3. were being declared
4. when the results of the contest

Question ID: 98958012695
Status: Answered
Chosen Option: 1

Q.3 Select the most appropriate meaning of the underlined idiom in the given sentence.

Extreme poverty made the poor woman wonder how long she could keep the wolf from the door.

Ans

1. avoid starvation
2. live on charity
3. keep wild animals away
4. be safe in her house

Question ID: 98958012713
Status: Answered
Chosen Option: 1

Q.4 Select the correct active form of the given sentence.

Section: English Comprehension

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You will either be taken prisoner or shot by the enemy.

Ans
1. The enemy will be either taking you prisoner or shooting you.
2. The enemy either takes you prisoner or shoots you.
3. The enemy would either take you prisoner or shoot.
4. The enemy will either take you prisoner or shoot you.

Q.5 Select the word which means the same as the group of words given.

One who helps a person in need

Ans
1. veteran
2. collaborator
3. samaritan
4. mercenary

Q.6 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

The world's agricultural land are in pressure to raising more and more crops.

Ans
1. land is under pressure so raising
2. land is at pressure to raise
3. land is under pressure to raise
4. No improvement

Q.7 Select the correctly spelt word.

Ans
1. accommodation
2. accommodation
3. acomodation
4. acommodation

Q.8 Select the most appropriate antonym of the given word.

PRUDENT

Ans
1. indiscreet
2. judicious
3. practical
Q.9 Select the word which means the same as the group of words given.

Sole right to make and sell some invention

Ans
- 1. patent
- 2. heirloom
- 3. copyright
- x 4. inheritance

Q.10 Given below are four jumbled sentences. Select the option that gives their correct order.

A. Soon, flames ignited the wooden beams of the grand palace built by Xerxes.
B. Men and women holding aloft flaming torches, raced up and down the palace terraces.
C. When the fire died out, all that remained of the magnificent palace were the stone columns.
D. Looters fought off the heat of the inferno to drag out gold and silver vessels.

Ans
- 1. BADC
- x 2. BCAD
- x 3. CDBA
- x 4. ADBD

Q.11 Select the most appropriate meaning of the underlined idiom in the given sentence.

The ambitious project to impart free books to all students ended in smoke.

Ans
- x 1. exceeded the budget
- x 2. was delayed
- 3. yielded no result
- 4. was successfully completed

Q.12 Select the most appropriate option to fill in the blank.

The owner of the house was ______ at the watchman for letting in a stranger.

Ans
- x 1. indulgent
- x 2. impatient
- x 3. indifferent
- 4. indignant
Q.13 Select the correct passive form of the given sentence.

Have they announced the world cup cricket team?

Ans  
1. Has the world cup cricket team been announced?  
2. Have the world cup cricket team been announced?  
3. Have the world cup cricket team announced?  
4. Has the world cup cricket team being announced?

Q.14 Select the most appropriate synonym of the given word.

REPUDIATE

Ans  
1. renounce  
2. sanction  
3. regret  
4. enforce

Q.15 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

It is convey to all the residents by now that they are required to apply for parking stickers.

Ans  
1. No improvement  
2. It is conveyed to all the residents  
3. It will be conveyed to all the residents  
4. It has been conveyed to all the residents

Q.16 Select the most appropriate option to fill in blank No.1.

Ans  
1. is  
2. were

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Portia claims that even if she (1)______ to live as long as Sibylla, she would die as (2)______ as Diana because she can only be claimed (3)______ the manner specified by her father’s will. She (4)______ that nobody would be able to crack (5)______ casket test and so she was bound to remain unmarried.

SubQuestion No : 16
Q.16 Select the most appropriate option to fill in blank No.1.

Ans  
1. is  
2. were
Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Portia claims that even if she (1)______ to live as long as Sibylla, she would die as (2)______ as Diana because she can only be claimed (3)______ the manner specified by her father’s will.
She (4)______ that nobody would be able to crack (5)______ casket test and so she was bound to remain unmarried.

SubQuestion No : 17
Q.17 Select the most appropriate option to fill in blank No.2.
Ans

1. real
2. clear
3. plain
4. pure

SubQuestion No : 18
Q.18 Select the most appropriate option to fill in blank No.3.
Ans

1. from
2. through
3. at
4. in

SubQuestion No : 19
Q.19 Select the most appropriate option to fill in blank No.4.
Ans

1. will worry
Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Portia claims that even if she (1)______ to live as long as Sibylla, she would die as (2)______ as Diana because she can only be claimed (3)______ the manner specified by her father's will. She (4)______ that nobody would be able to crack (5)______ casket test and so she was bound to remain unmarried.

SubQuestion No : 20
Q.20 Select the most appropriate option to fill in blank No.5.
Ans
1. one
2. a
3. the
4. an

Q.21 Select the most appropriate synonym of the given word.
LAMENT
Ans
1. distress
2. torment
3. afflict
4. mourn

Q.22 Select the most appropriate antonym of the given word.
SEVERE
Ans
1. morose
2. mild
3. mediocre
4. meticulous

Q.23 Select the correctly spelt word.

Q.24 In the sentence identify the segment which contains the grammatical error.

On the way he was bited on his toe by a poisonous snake.

Ans
- 1. On the way
- 2. he was bited
- 3. on his toe
- 4. by a poisonous snake

Q.25 Given below are four jumbled sentences. Select the option that gives their correct order.

A. It was very unusual as boys were not supposed to be out of school at this late hour.
B. He moved closer to the boy in anger so that he could recognise the miscreant and punish him.
C. He felt angry as teachers ought to be about school rules being broken.
D. Mr Oliver, the school teacher saw a lonely boy sitting on a rock, weeping soundlessly.

Ans
- 1. DBAC
- 2. DACB
- 3. ABCD
- 4. ACBD
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Section : General Intelligence and Reasoning

Q.1 Priyank is Akshay’s brother. Sonia is Salish’s sister. Akshay is Sonia’s son. How is Priyank related to Sonia?

Ans

1. Nephew
2. Father
3. Son
4. Brother

Question ID : 98958013833
Status : Answered
Chosen Option : 3

Q.2 At a party, the number of girls is half the number of boys. After an hour, five boys leave the party and three girls join the party. How many people were present at the party an hour before?

Ans

1. 16
2. 8
3. 24
4. 22

Question ID : 98958013841
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.3 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Ans

1. Thorium
2. Uranium
3. Radium
4. Sodium

Question ID : 98958013827
Status : Answered
Chosen Option : 4

Q.4 Select the word pair in which the two words are related in the same way as the two words in the following word-pair.

Brass : Copper

Ans

1. Chromium : Silver
2. Bronze : Gold
3. Nickel : Iron
4. Solder : Tin

Q.5 Find the missing number from the below options.

<table>
<thead>
<tr>
<th>17</th>
<th>22</th>
<th>37</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>28</td>
<td>43</td>
</tr>
<tr>
<td>16</td>
<td>?</td>
<td>36</td>
</tr>
</tbody>
</table>

Ans

1. 12
2. 32
3. 21
4. 34

Q.6 Select the terms that will replace the ? in the following series.

Z, X, V, ?, R, P, ?

Ans

1. S, N
2. S, O
3. T, O
4. T, N

Q.7 Arrange the following words in a logical and meaningful order.

1) Write
2) Publish
3) Author
4) Reader
5) Sale

Ans

1. 3, 1, 2, 5, 4
2. 4, 3, 1, 2, 5
3. 3, 2, 1, 5, 4
4. 1, 3, 2, 5, 4
Q.8 Select the term that will come next in the following series.

OBE, PDH, QFK, RHN, ?

Ans

- 1. SKQ
- 2. RJQ
- 3. SJQ
- 4. SJP

Q.9 Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

Ans

- 1. R7MP
- 2. MJP
- 3. P7M
- 4. M7P

Q.10 Which two signs should be interchanged in the following equation to make it correct?

24 + 8 - 5 × 5 + 3 = 13

Ans

- 1. × and –
- 2. × and +
- 3. + and ×
- 4. ÷ and +
Q.11  Three different positions of a dice are shown below. Which number appears on the face opposite the number 6?

Ans

1. 1
2. 2
3. 4
4. 5

Question ID: 98958013844
Status: Answered
Chosen Option: 4

Q.12  If AU = 21 and EGG = 245, then how will you code BAKE?

Ans

1. 19
2. 75
3. 110
4. 155

Question ID: 98958013831
Status: Answered
Chosen Option: 3

Q.13  ‘Cheerful’ is related to ‘Sad’ in the same way as ‘Generous’ is related to ______.

Ans

1. Gloomy
2. Kind
3. Selfish
4. Intelligent

Question ID: 98958013828
Status: Answered
Chosen Option: 3

Q.14  A square paper is folded and cut as shown below. How will it appear when unfolded?

Ans

1.

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Q.15  Choose the Venn diagram from the given options which best represents the relationship amongst the following classes:

Wheat, Mustard, Cabbage

Ans

Q.16  In a code language, NEEDLE is written as MFDEKF. How will HAMMER be written in the same language?

Ans

1. GBLNFT
2. IBLNDS
3. GALNDS
4. GBLNDS
Q.17  Find the missing number from the below options.

4  3  19
6  4  40
9  9  ?

Ans  1. 90  ✔

2. 80  ❌

3. 72  ❌

4. 100  ❌

Q.18  Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd one out.

Ans  1. 65-101  ❌

2. 26-50  ✔

3. 17-37  ✔

4. 49-82  ✔

Q.19  Two statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
All teachers are painters.
Some painters are rich.

Conclusions:
I. All painters are teachers.
II. Some rich are not painters.

Ans  1. Only conclusion II follows  ✔

2. Neither conclusion I nor II follows  ❌

3. Only conclusion I follows  ✔

4. Either conclusion I or II follows  ❌

Q.20
How many triangles are there in the following figure?

Ans

1. 16
2. 30
3. 32
4. 22

Q.21 Select the option that is related to the third number in the same way as the second number is related to the first number.

\[2139 : 3246 :: \square : \square\]

Ans

1. 1461
2. 2471
3. 2371
4. 2483

Q.22 Select the term that will come next in the following series.

57, 62, 31, 36, 18, ?

Ans

1. 34
2. 23
3. 19
4. 36

Q.23 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans

1. FGE
2. NOR
3. KLJ
4. YZX
Q.24
Select the figure in which the given figure is embedded.

Ans

1. 

2. 

3. 

4. 

---

Question ID: 98958013845
Status: Answered
Chosen Option: 1

Q.25
Select the figure that will come next in the following figure series.

Ans

1. 

2. 

---

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Section: General Awareness

Q.1 The Sepoy Mutiny in India started from ______.
Ans
- 1. Rajkot
- 2. Meerut
- 3. Bareilly
- 4. Champaran

Question ID: 98958013842
Status: Answered
Chosen Option: 3

Q.2 What is the term of the elected representatives of a Gram Panchayat?
Ans
- 1. 5 years
- 2. 3 years
- 3. 2 years
- 4. 4 years

Question ID: 98958014438
Status: Not Answered
Chosen Option: --

Q.3 Marfati’ songs are traditional folk songs of ______.
Ans
- 1. Afghanistan
- 2. Bangladesh
- 3. Pakistan
- 4. Nepal

Question ID: 98958014424
Status: Not Answered
Chosen Option: --

Q.4 Which scientist discovered the ‘Penicillin’?
Ans
- 1. Louis Pasteur
- 2. Alexander Fleming
3. Robert Koch
4. Ernst Chain

Q.5 Which of the following stars is nearest to the sun?

Ans
1. Proxima Centauri
2. Deneb
3. Sirius
4. Betelgeuse

Q.6 Name the national bird of Bhutan.

Ans
1. Magpai
2. Peacock
3. Parrot
4. Raven

Q.7 The term ‘cherry picking’ is used in which sport?

Ans
1. Table Tennis
2. Swimming
3. Basketball
4. Cricket

Q.8 Which of the following creatures is oviparous?

Ans
1. Frog
2. Rabbit
3. Mouse
4. Squirrel

Q.9 The summer solstice 2019 in the Northern Hemisphere will occur on _____.

Ans
1. 24th June
<table>
<thead>
<tr>
<th>Question ID</th>
<th>Status</th>
<th>Chosen Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>98958014434</td>
<td>Answered</td>
<td>2</td>
</tr>
<tr>
<td>98958014436</td>
<td>Not Answered</td>
<td>--</td>
</tr>
<tr>
<td>98958014432</td>
<td>Answered</td>
<td>1</td>
</tr>
<tr>
<td>98958014441</td>
<td>Answered</td>
<td>4</td>
</tr>
<tr>
<td>98958014446</td>
<td>Answered</td>
<td>2</td>
</tr>
</tbody>
</table>

### Q.10 Jorwe culture' was a Chalcolithic archaeological site located in the present day Indian state of _____.

**Ans**
- 1. Assam
- 2. Maharashtra
- 3. Gujarat
- 4. Bihar

### Q.11 Which of the following acids is present in ant bites?

**Ans**
- 1. Formic acid
- 2. Malic acid
- 3. Perchloric acid
- 4. Nitric acid

### Q.12 Which of the following authors received the Jnanpith Award in 2018?

**Ans**
- 1. Arundhati Roy
- 2. Vikram Seth
- 3. Kiran Desai
- 4. Amitav Ghosh

### Q.13 In India, 24th January is observed as which one of the following days?

**Ans**
- 1. National Farmer's Day
- 2. National Girl Child Day
- 3. National Agricultural Day
- 4. National Day of Elderly
Q.14 Which of the following is the smallest bird in the world?

Ans  1. Finch  
2. Diamond Firetail  
3. Bee Hummingbird  
4. Robin

Question ID: 98958014428
Status: Answered
Chosen Option: 3

Q.15 Who among the following was named as the Chief Executive Officer of International Cricket Council (ICC) in January 2019?

Ans  1. Saurav Ganguly  
2. Anurag Thakur  
3. Manu Sawhney  
4. N G Khaitan

Question ID: 98958014448
Status: Answered
Chosen Option: 3

Q.16 Who was the Indian Army Chief at the time of Bangladesh Liberation War?

Ans  1. Roy Bucher  
2. Rob Lockhart  
3. K M Cariappa  
4. Sam Manekshaw

Question ID: 98958014439
Status: Answered
Chosen Option: 4

Q.17 The demand for a commodity or service which is a consequence of the demand for something else is called ________.

Ans  1. Income Demand  
2. Direct Demand  
3. Composite Demand  
4. Derived Demand

Question ID: 98958014427
Status: Not Answered
Chosen Option: --

Q.18 In which year was the East India Company incorporated for the exploitation of trade with East and Southeast Asia and India?

Ans  1. 1612  
2. 1605  
3. 1600  
4. 1596
**Q.19 Which economist gave the theory of Opportunity Cost?**

**Ans**
- 1. Milton Friedman
- 2. Adam Smith
- 3. John Keynes
- 4. Gottfried Haberler

**Q.20 Who among the following wrote the book 'A History of the Sikhs'?**

**Ans**
- 1. Bhai Vir Singh
- 2. Khushwant Singh
- 3. Amrita Pritam
- 4. Gurbachan Singh Talib

**Q.21 Vijay Hazare was a famous Indian player associated with the sport of_____.**

**Ans**
- 1. Football
- 2. Cricket
- 3. Rifle Shooting
- 4. Boxing

**Q.22 Fertile riverine alluvial soil is best suited for producing_____.**

**Ans**
- 1. rice
- 2. tea
- 3. cotton
- 4. Corn

**Q.23 The energy derived from the heat of Earth is called_____.**

**Ans**
- 1. Geothermal Energy
- 2. Solar Energy
- 3. Biogas
Q.24 Which article of the Constitution of India talks about the provisions for impeachment of the President of India?

Ans  
1. Article 51  
2. Article 61  
3. Article 54  
4. Article 63

Q.25 Identify the foreigner who has been conferred the second highest civilian award in India, Padma Vibhushan for 'exceptional and distinguished service' in 2019.

Ans  
1. John Chambers  
2. Ismail Omar Guelleh  
3. Pravin Gordhan  
4. Kader Khan

Section: Quantitative Aptitude

Q.1 The difference between the compound interest and simple interest on ₹ x at 8.5% per annum for 2 years is ₹28.90. The value of x is:

Ans  
1. 3500  
2. 3800  
3. 4000  
4. 4500

Q.2 If \( \cot \theta = \frac{2}{4} \), then \( \sin \theta + \cos \theta - \tan \theta \) is equal to:

Ans  
1. \( \frac{1}{20} \)  
2. \( \frac{2}{15} \)  
3. \( \frac{1}{20} \)  
4. \( \frac{1}{15} \)
Q.3 The following table indicates the number of students studying in three disciplines in five colleges:

<table>
<thead>
<tr>
<th>Disciplines</th>
<th>Colleges</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Science</td>
<td>350</td>
</tr>
<tr>
<td>Commerce</td>
<td>250</td>
</tr>
<tr>
<td>Economics</td>
<td>400</td>
</tr>
</tbody>
</table>

What is the ratio of the total number of students studying in the science stream to that of studying in commerce stream in all five colleges taken together?

Ans  
1. 16 : 15  
2. 16 : 19  
3. 14 : 15  
4. 19 : 15

Q.4 The following table indicates the number of students studying in three disciplines in five colleges:

<table>
<thead>
<tr>
<th>Disciplines</th>
<th>Colleges</th>
</tr>
</thead>
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</tr>
<tr>
<td>Commerce</td>
<td>250</td>
</tr>
<tr>
<td>Economics</td>
<td>400</td>
</tr>
</tbody>
</table>

What percentage of total students are studying in the commerce stream in all five colleges together?

Ans  
1. 28%  
2. 30%  
3. 32%  
4. 33%

Q.5 If \(a : b = 5 : 3\), then \((8a - 5b) : (8a + 5b)\) is equal to:

Ans  
1. 3 : 13  
2. 2 : 5  
3. 3 : 11  
4. 5 : 11

Q.6 The average marks of 45 students was found to be 66. If the marks of two students were incorrectly entered as 28 and 64 instead of 82 and 46 respectively, then what is the correct average?

Ans  
1. 67.2
2. $x + \frac{1}{x^2} = \sqrt{6}$, then $x^2 + \frac{1}{x^2}$ is equal to:

- 1. 62
- 2. 14
- 3. 16
- 4. 36

Q.7

The price of sugar is increased by $22\%$. A person wants to increase his expenditure by $12\%$ only. By what percent should he decrease his consumption, nearest to one decimal place?

- 1. 10\%
- 2. 7.8\%
- 3. 8.2\%
- 4. 8.6\%

Q.8

An article is sold for ₹657.90 after successive discounts of $15\%$ and $10\%$. What is the marked price of the article?

- 1. ₹920
- 2. ₹860
- 3. ₹900
- 4. ₹880

Q.9

The radii of two circular faces of the frustum of a cone of height 21 cm are 3 cm and 2 cm respectively. What is the volume of the frustum of the cone in cm$^3$ ($\pi = \frac{22}{7}$)?

- 1. 154
- 2. 286
- 3. 345
- 4. 418

Q.10
Q.11
The value of:

\[ 2.8 + (5.2 ÷ 1.3 \times 2) - 6 \times 3 ÷ 8 + 2 \]

Ans
1. 6.45
2. 4.55
3. 8.45
4. 10.55

Answered
Chosen Option : 4

Question ID : 98958013425

Q.12
The value of \( \sec^2 28^\circ - \cot^2 62^\circ + \sin^2 60^\circ + \csc^2 30^\circ \) is equal to:

Ans
1. 7
t2
3
4
7
2
3
4
22
4

Answered
Chosen Option : 4

Question ID : 98958013444

Q.13
Two articles are sold for ₹10.00 each. On one, the seller gains 15% and on the other, he loses 15%. What is his overall gain or loss percent, correct to two decimal places?

Ans
1. 1.42% gain
2. 1.42% loss
3. 0.94% loss
4. 0.94% gain

Answered
Chosen Option : 4

Question ID : 98958013429

Q.14
In \( \triangle ABC \), \( AD \) is a median and \( P \) is a point on \( AD \) such that \( AP : PD = 3 : 4 \). Then \( \text{ar}(\triangle APB) : \text{ar}(\triangle ABC) \) is equal to:

Ans
1. 2 : 7
2. 3 : 4
3. 3 : 7
4. 3 : 14

Not Answered
Chosen Option : --

Question ID : 98958013440
Q.15  If $a + b + c = 8$ and $ab + bc + ca = 12$, then $a^3 + b^3 + c^3 - 3abc$ is equal to:

Ans   

- 1. 192
- 2. 224
- 3. 144
- 4. 400

Choice 2 is correct.

Q.16  The following table indicates the number of students studying in three disciplines in five colleges:

<table>
<thead>
<tr>
<th>Disciplines</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science</td>
<td>300</td>
<td>350</td>
<td>275</td>
<td>400</td>
<td>275</td>
</tr>
<tr>
<td>Commerce</td>
<td>250</td>
<td>400</td>
<td>325</td>
<td>275</td>
<td>350</td>
</tr>
<tr>
<td>Economics</td>
<td>400</td>
<td>450</td>
<td>250</td>
<td>300</td>
<td>500</td>
</tr>
</tbody>
</table>

If a pie-chart is drawn representing the number of students in all five colleges, what is the central angle (correct to the nearest whole number) of the sector representing the students of college B?

Ans   

- 1. 80°
- 2. 82°
- 3. 84°
- 4. 86°

Choice 4 is correct.

Q.17  Chords AB and CD of a circle, when produced, meet at a point P outside the circle. If $AB = 6$ cm, $CD = 3$ cm and $PD = 5$ cm, then PB is equal to:

Ans   

- 1. 6 cm
- 2. 6.25 cm
- 3. 5 cm
- 4. 4 cm

Choice 4 is correct.

Q.18  A is 40% more efficient than B and C is 20% less efficient than B. Working together, they can finish a task in 15 days. In how many days, will B alone complete 75% of the task?

Ans   

- 1. 36
- 2. 48
- 3. 32
- 4. 44

Choice 3 is correct.

Q.19  In a circle with centre O, AB is the diameter and CD is a chord such that ABCD is a trapezium. If $\angle BAC = 25^\circ$, then $\angle CAD$ is equal to:

Choice 1 is correct.
Q.20  If \( \tan 4\theta = \cot (2\theta + 30^\circ) \), then \( \theta \) is equal to:

Ans

1. 15°
2. 20°
3. 25°
4. 30°

Question ID: 98958013442
Status: Answered
Chosen Option: 2

Q.21  If \( a + b = 5 \) and \( ab = 3 \), then \( (a^3 + b^3) \) is equal to:

Ans

1. 70
2. 75
3. 80
4. 65

Question ID: 98958013435
Status: Answered
Chosen Option: 3

Q.22  What is the least value of \( x \) such that \( 517x \times 324 \) is divisible by 12?

Ans

1. 3
2. 1
3. 0
4. 2

Question ID: 98958013424
Status: Answered
Chosen Option: 3

Q.23  A train without stoppage travels with an average speed of 65 km/h and with stoppage, it travels with an average speed of 52 km/h. For how many minutes does the train stop on an average per hour?

Ans

1. 13
2. 15
3. 12
4. 14

Question ID: 98958013433
Status: Answered
Chosen Option: 4
Q.24 The following table indicates the number of students studying in three disciplines in five colleges:

<table>
<thead>
<tr>
<th>Disciplines</th>
<th>Colleges</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Science</td>
<td>300</td>
</tr>
<tr>
<td>Commerce</td>
<td>250</td>
</tr>
<tr>
<td>Economics</td>
<td>400</td>
</tr>
</tbody>
</table>

What percentage of students in college B is studying in the science stream, (correct to one decimal place)?

Ans

1. 29.4%

2. 29.2%

3. 29.6%

4. 29.8%

Q.25 \(\triangle ABC \sim \triangle PQR\) and \(PQ = 6\) cm, \(QR = 8\) cm and \(PR = 10\) cm. If \(\text{ar}(\triangle ABC) : \text{ar}(\triangle PQR) = 1:4\), then \(AB\) is equal to:

Ans

1. 2 cm

2. 5 cm

3. 3 cm

4. 4 cm

Section: English Comprehension

Q.1 Select the correctly spelt word.

Ans

1. tuition

2. tuition

3. tuition

4. tuition

Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Your coming home to dinner on time should be a rule rather the exception.

Ans

1. shall be a rule rather than a exception

2. No improvement

3. should be a rule rather being the exception

4. should be the rule rather than the exception
Q.3 Select the correctly spelt word.

Ans

- previlege [x]
- peivailege [x]
- privilege [✓]
- previllage [x]

Q.4 Select the most appropriate option to fill in the blank.

She got a lucrative job of a translator because she was _____ in French.

Ans

- sufficient [x]
- efficient [x]
- deficient [x]
- proficient [✓]

Q.5 Select the most appropriate meaning of the underlined idiom in the given sentence.

True friends stay by our side through thick and thin.

Ans

- under all circumstances [✓]
- in happy moments [x]
- in difficult times [x]
- in different weathers [x]

Q.6 Select the word which means the same as the group of words given.

One who is a great lover of books

Ans

- bibliophile [✓]
- xenophile [x]
- hemophile [x]
- pedophile [x]
A fictitious name used by an author

Ans

✓ 1. pseudonym
✗ 2. homonym
✗ 3. alibi
✗ 4. anonymous

Q.8 Select the most appropriate antonym of the given word.

ARROGANCE

Ans

✗ 1. sweetness
✓ 2. humility
✗ 3. superiority
✗ 4. vanity

Q.9 Given below are four jumbled sentences. Select the option that gives their correct order.

A. The brain is active too during sleep, sending messages for the heart to beat regularly.
B. However, the body utilizes the sleeping time effectively.
C. We spend about one third of our time sleeping.
D. It produces energy and releases hormones for repair and growth during the night.

Ans

✓ 1. CBDA
✗ 2. BADC
✗ 3. ABDC
✗ 4. CABD

Q.10 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Knowing the particular things that motivate each person help you add power to their motivation.

Ans

✗ 1. No improvement
✗ 2. help you to add power
✓ 3. helps you add power
✗ 4. help you adding power

Q.11 Select the most appropriate option to fill in the blank.
The committee reached _____ decision regarding the appointment of the chairman.

Ans  
1. a compatible  
✓ 2. a unanimous  
✗ 3. an exemplary  
✗ 4. an agreeable

Q.12 In the sentence identify the segment which contains the grammatical error.

There isn’t many rice left in the house so we must replenish our stock soon.

Ans  
✗ 1. our stock soon  
✗ 2. so we must replenish  
✓ 3. There isn’t many rice  
✓ 4. left in the house

Q.13 Select the most appropriate antonym of the given word.

MEAGRE

Ans  
✓ 1. plentiful  
✓ 2. inadequate  
✗ 3. scanty  
✗ 4. premium

Q.14 Select the correct active form of the given sentence.

We will all be greatly benefitted by this scheme.

Ans  
✗ 1. This scheme has greatly benefitted us all.  
✗ 2. This scheme would greatly benefit we all.  
✓ 3. This scheme will greatly benefit us all.  
✓ 4. This scheme is going to greatly benefit us all.

Q.15 In the sentence identify the segment which contains the grammatical error.

Ten kilometres are a long distance to cover on foot for a child.

Ans  
✓ 1. Ten kilometres are
Q.16 Select the most appropriate synonym of the given word.

**PERPLEX**

Ans

1. *surprise*

2. *bewilder* ✔

3. *complex* ✗

4. *deceive* ✗

---

Question ID: 98958012721
Status: Answered
Chosen Option: 1

---

Q.17 Select the most appropriate option to fill in blank No.1.

**Ans**

1. *accessed* ✗

2. *entered* ✔

3. *admitted* ✗

4. *invaded* ✗

---

Question ID: 98958012727
Status: Answered
Chosen Option: 2

---

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Leaving his car with the valet, he (1)______ the hotel and joined the large crowd milling (2)_____ He found a badge waiting for him (3)______ the receptionist's table and took his (4)______ in the rear of the hall. When the place was (5)______ the moderator welcomed the crowd.

**SubQuestion No : 17**

Q.18 Select the most appropriate option to fill in blank No.2.

**Ans**

1. *about* ✔

2. *aside* ✗

3. *into* ✗

4. *out* ✗

---

Question ID: 98958012735
Status: Not Attempted and Marked For Review
Chosen Option: --

---

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Leaving his car with the valet, he (1)______ the hotel and joined the large crowd milling (2)_____ He found a badge waiting for him (3)______ the receptionist's table and took his (4)______ in the rear of the hall. When the place was (5)______ the moderator welcomed the crowd.

**SubQuestion No : 18**

Q.19 Select the most appropriate synonym of the given word.

**PERPLEX**

Ans

1. *surprise*

2. *bewilder* ✔

3. *complex* ✗

4. *deceive* ✗

---

Question ID: 98958012739
Status: Answered
Chosen Option: 1

---

Q.20 Select the most appropriate option to fill in blank No.1.

**Ans**

1. *accessed* ✗

2. *entered* ✔

3. *admitted* ✗

4. *invaded* ✗

---

Question ID: 98958012745
Status: Answered
Chosen Option: 2

---

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Leaving his car with the valet, he (1)______ the hotel and joined the large crowd milling (2)_____ He found a badge waiting for him (3)______ the receptionist's table and took his (4)______ in the rear of the hall. When the place was (5)______ the moderator welcomed the crowd.

**SubQuestion No : 20**

Q.21 Select the most appropriate option to fill in blank No.2.

**Ans**

1. *about* ✗

2. *aside* ✗

3. *into* ✔

4. *out* ✗

---

Question ID: 98958012751
Status: Answered
Chosen Option: 3
Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Leaving his car with the valet, he (1)______ the hotel and joined the large crowd milling (2)______ He found a badge waiting for him (3)______ the receptionist's table and took his (4)______ in the rear of the hall. When the place was (5)______ the moderator welcomed the crowd.

SubQuestion No : 19
Q.19 Select the most appropriate option to fill in blank No.3.
Ans 1. over
2. at
3. in
4. by

Question ID : 98958012729
Status : Answered
Chosen Option : 2

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Leaving his car with the valet, he (1)______ the hotel and joined the large crowd milling (2)______ He found a badge waiting for him (3)______ the receptionist's table and took his (4)______ in the rear of the hall. When the place was (5)______ the moderator welcomed the crowd.

SubQuestion No : 20
Q.20 Select the most appropriate option to fill in blank No.4.
Ans 1. stand
2. lounge
3. couch
4. seat

Question ID : 98958012730
Status : Answered
Chosen Option : 4

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Leaving his car with the valet, he (1)______ the hotel and joined the large crowd milling (2)______ He found a badge waiting for him (3)______ the receptionist's table and took his (4)______ in the rear of the hall. When the place was (5)______ the moderator welcomed the crowd.

SubQuestion No : 21
Q.21 Select the most appropriate option to fill in blank No.5.
Ans 1. filled
2. completed
Q.22 Given below are four jumbled sentences. Select the option that gives their correct order.

A. But they faced grave danger if they tried to criticize these decisions.
B. The nationalists now began to openly criticize the policies of the British.
C. The freedom movement changed this situation.
D. Under colonial rule, the people had lived in fear of the British government and did not agree with many of the decisions that they took.

Ans  
1. CBAD  
2. DBAC  
3. BADC  
4. DACB

Q.23 Select the most appropriate synonym of the given word.

DEFER

Ans  
1. dread  
2. despair  
3. dictate  
4. delay

Q.24 Select the correct passive form of the given sentence.

The sailors had never encountered such a rough sea.

Ans  
1. Such a rough sea was never encountered by the sailors.  
2. Such a rough sea had never been encountered by the sailors.  
3. Such a rough sea has never been encountered by the sailors.  
4. Such a rough sea is never encountered by the sailors.

Q.25 Select the most appropriate meaning of the underlined idiom in the given sentence.

Due to increased number of lay offs in the industry, the sword of Damocles is always hanging over the employees.

Ans  
1. strict rules and regulations  
2. an ill omen of death
3. a constant threat

4. threat of physical harm

Question ID: 98958012739
Status: Answered
Chosen Option: 3
Q.1 Select the option that is related to the third number in the same way as the second number is related to the first number.

\[ 9 : 86 :: 13 : ? \]

**Ans**

1. 175  
2. 135  
3. 174  
4. 124

**Question ID:** 98958013861  
**Status:** Answered  
**Chosen Option:** 3

Q.2 In a code language, PAINTER is written as SCLPWGU. How will WRITER be written in the same language?

**Ans**

1. YTLVHT  
2. ZTLVHU  
3. ZILVHT  
4. ZILVGV

**Question ID:** 98958013855  
**Status:** Answered  
**Chosen Option:** 3

Q.3 Select the terms that will replace ? in the following series

\[ K, M, O, ?, S, U, ?, Y \]

**Ans**

1. R, W  
2. P, W  
3. Q, W  
4. Q, X

**Question ID:** 98958013857  
**Status:** Answered  
**Chosen Option:** 3

Q.4 जिस प्रकार 'मृग' का संबंध 'मृगी' से है उसी प्रकार 'सांड' का संबंध ______ से है।
Q.5 Which two signs should be interchanged to make the given equation correct?

12 × 8 + 36 ÷ 3 – 6 = 102

Ans

- 1. × and +
- 2. + and –
- 3. + and ×
- 4. + and +

Q.6 Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

Ans

- 1.
- 2.
- 3.
- 4.

Q.7 एकमाणी का पति देते हुए विज्ञ से कहा, "यह मेरी पत्नी के एकमाण भाई के पुत्र की माँ है।" एकमाणी के पति का विज्ञ से क्या संबंध है?

Ans

- 1. साला
2. पिता
3. समुद्र
4. पुत्र

Q.8 Two different positions of a dice are shown below. Which number appears on the face opposite the number '1'?

Ans
1. 2
2. 4
3. 3
4. 5

Q.9 If N = 28 and ORE = 76, then how will you code PALE?

Ans
1. 68
2. 76
3. 19
4. 72

Q.10 दो गई अंकों के बीच सबसे सम्बन्ध को दर्शाने वाले बीज आरेख का चयन कीजिए।

Ans
1. 
2. 
3. 
4. 

Q.11 Find the missing number from the below options.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>24</td>
<td>96</td>
</tr>
<tr>
<td>7</td>
<td>28</td>
<td>112</td>
</tr>
<tr>
<td>13</td>
<td>52</td>
<td>?</td>
</tr>
</tbody>
</table>

Ans

1. 208  ✔
2. 142  ❌
3. 232  ❌
4. 116  ❌

Q.12 Select the figure in which the given figure is embedded.

Ans

1. ❌
2. ❌
3. ✔
4. ❌

Question ID: 98958013873
Status: Not Answered
Chosen Option: --

Question ID: 98958013863
Status: Answered
Chosen Option: 1

Question ID: 98958013870
Status: Not Attempted and Marked For Review
Q.13 Select the term that will come next in the following series.

2, 7, 17, 32, 52, ?

Ans

1. 77
2. 134
3. 126
4. 102

Question ID: 98958013860
Status: Answered
Chosen Option: 1

Q.14 Select the letter cluster that will come next in the following series.

GZI, HYJ, IXK, JWL, ?

Ans

1. JVN
2. KVM
3. LVM
4. KUM

Question ID: 98958013849
Status: Answered
Chosen Option: 2

Q.15 Vishal is three times as old as Saksham. After 8 years, he will be two times as old as Saksham. After further 8 years, what will be Vishal’s age?

Ans

1. 48 years
2. 24 years
3. 32 years
4. 40 years

Question ID: 98958013866
Status: Not Attempted and Marked For Review
Chosen Option: --

Q.16 निम्नलिखित शब्दों को एक तारीख एवं अर्थपूर्ण क्रम में व्यवस्थित कीजिए:

1. पीतल
2. सौना
3. चांदी
4. प्लेटिनम
5. लोहा

Ans

1. 3, 1, 5, 2, 4
2. 5, 1, 3, 2, 4
Q.17 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Ans
1. Jupiter
2. Mars
3. Earth
4. Metis

Question ID: 98958013850
Status: Answered
Chosen Option: 2

Q.18 A square paper is folded and cut as shown below. How will it appear when unfolded?

Ans
1. 
2. 
3. 
4. 

Question ID: 98958013852
Status: Answered
Chosen Option: 4

Q.19 How many triangles are there in the following figure?

Ans
1. 30
2. 28
Q.20 विम्यावशेष में से उस विकल्प का चयन कीजिए जो तीसरे शब्द से उसी तरह संबंधित है जिस तरह से दूसरा शब्द
प्रथम शब्द से संबंधित है:

आलू : स्टार्च :: स्टीविया : ?

Ans 

1. टूथ

2. मक्खन

3. धीरी

4. नमक

Q.21 Two statements are given, followed by two conclusions: numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows from the statements.

Statements:
All humans are parents.
All parents are teachers.

Conclusions:
I. Some teachers are parents.
II. Some teachers are humans.

Ans 

1. Both the conclusions follow

2. Only conclusion II follows

3. Either conclusion I or II follows

4. Only conclusion I follows

Q.22 Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd one out.

Ans 

1. 7 − 126

2. 9 − 164

3. 13 − 234

4. 11 − 198
Select the figure that will come next in the following figure series.

Ans

1. 

2. 

3. 

4. 

Q.24 Find the missing number from the below options.

50  31   9

43  11   6

42  21   ?

Ans

1. 7

2. 9

3. 5

4. 6

Q.25 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans

1. HSYB

2. DWKO

3. GTXC

4. QIUF
Q.1 ननलखत में से कौन-सा भारत का तीसरा सबसे ऊंचा जलपात है?
Ans  
1. अया गंगई  (X)  
2. सुली जलपात  (X)  
3. कोटलम जलपात  (X)  
4. धलियार जलपात  (✓)

Q.2 In January 2019, _____ was named World No.1 boxer by International Boxing Association (AIBA).
Ans  
1. Mary Kom  (✓)  
2. Laishram Sarita Devi  (X)  
3. Simranjit Kaur  (X)  
4. Lovlina Borgohain  (X)

Q.3 Which of the following is the chemical name of baking soda?
Ans  
1. Sodium carbonate  (X)  
2. Sulphate  (X)  
3. Sodium hydrogen carbonate  (✓)  
4. Calcium hydroxide  (X)

Q.4 As per Mankiw's Principles of Economics, the standard of living of a country depends on the country's ______.
Ans  
1. government policy  (X)  
2. nominal wages  (X)  
3. average wages  (X)  
4. ability to produce goods and services  (✓)

Q.5 Manipur, Meghalaya and Tripura became states under ______.
Ans

1. North Eastern Retention (Reconstruction) Act, 1971
   ✗
2. North Eastern Republic of India Act, 1972
   ✗
   ✗
   ✓

Question ID: 98958014461
Status: Answered
Chosen Option: 2

Q.6 Which instrument is used to measure the intensity of light produced by an unknown source in terms of a standard source?

Ans

✓ 1. Photometer
   ✗ 2. Calipers
   ✗ 3. Ammeter
   ✗ 4. Dynamometer

Question ID: 98958014455
Status: Answered
Chosen Option: 1

Q.7 When the output is equal to zero, the variable cost is _____.

Ans

✗ 1. constant
   ✓ 2. zero
   ✗ 3. minimum
   ✗ 4. maximum

Question ID: 98958014452
Status: Not Answered
Chosen Option: --

Q.8 Kazi Nazrul Islam is the national poet of _____.

Ans

✓ 1. Bangladesh
   ✗ 2. Afghanistan
   ✗ 3. Indonesia
   ✗ 4. Pakistan

Question ID: 98958014450
Status: Answered
Chosen Option: 4

Q.9 Which Indian archer won the gold medal in the women's recurve event at the 2018 Hyundai Archery World Cup?

Ans

✗ 1. Dola Banerjee
   ✗ 2. Bombayla Devi Laishram
   ✓ 3. Deepika Kumari
   ✗ 4. Chekrovolu Swuro

Question ID: 98958014469
Status: Not Answered
Q.10 इंडिया ऑफ माय मीस' पुस्तक में किसके भाषणों और लेखों का संग्रह है?

Ans

1. सरदार वल्लभभाई पटेल
2. जवाहर लाल नेहरू
3. महात्मा गांधी
4. डॉ. राजेंद्र प्रसाद

Q.11 Who among the following is/was the longest serving prime minister of Bangladesh?

Ans

1. Khaleda Zia
2. Sheikh Mujibur Rahman
3. Shah Azizur Rahman
4. Sheikh Hasina

Q.12 In which year did Vasco De Gama land in Calicut (Kozikode)?

Ans

1. 1442
2. 1458
3. 1472
4. 1498

Q.13 Name the woman of Indian origin who was appointed Chief Executive Officer of PepsiCo in the year 2006.

Ans

1. Indra Nooyi
2. Chanda Kochhar
3. Kiran Majumdar Shaw
4. Kalpana Morparia

Q.14 Who among the following was the first chief minister of Kerala?

Ans

1. Pattom A Thanu Pillai
2. R Shankar
3. C Achutha Menon
4. E M S Namboodiripad
Q.15 असम में अंग्रेजों की कर नीतियों के खिलाफ किस वर्ष में पथारूपात किसान विद्रोह हुआ?

Ans  
✓ 1. 1894  
✗ 2. 1862  
✗ 3. 1873  
✗ 4. 1885

Q.16 The 'Diphu Pass' which is the tri-junction between India, Myanmar and China is on this Border Line?

Ans  
✗ 1. Palk Strait  
✗ 2. Radcliffe Line  
✗ 3. Durand Line  
✓ 4. McMahon Line

Q.17 Who among the following was the first president of the Republic of China?

Ans  
✓ 1. Yuan Shikai  
✓ 2. Li Xiannian  
✗ 3. Yang Sangkun  
✗ 4. Hu Jintao

Q.18 'कैडियन नृत्य' देश की एक सामान्य नृत्य शैली है।

Ans  
✗ 1. इंडिया  
✗ 2. भूटान  
✓ 3. श्रीलंका  
✗ 4. नेपाल

Q.19 Identify the unit of measuring intensity of sound.

Ans  
✗ 1. Knots  
✗ 2. Ampere  
✗ 3. Candela

Downloaded from - www.exammix.com
Q.20 In January 2019, _____ became the first Indian state to implement 10% reservation for the economically weaker sections.

Ans

1. Tripura
2. Gujarat
3. Madhya Pradesh
4. Odisha

Q.21 The Indian badminton player who won the Canadian Open Women's Doubles title in 2015 along with Ashwini Ponnappa was _____.

Ans

1. Saina Nehwal
2. Jwala Gutta
3. P C Tulasi
4. P V Sindhu

Q.22 Daringbadi hill station is located in the Indian state of _____.

Ans

1. Kerala
2. Maharashtra
3. Odisha
4. West Bengal

Q.23 According to _____, pressure is equal to the force divided by the area on which it acts.

Ans

1. Pascal's Law
2. Hooke's Law
3. Stefan-Boltzmann Law
4. Newton's Law

Q.24 Who discovered the first vaccine for smallpox?

Ans

1. Louis Pasteur
2. Edward Jenner
3. Alexander Fleming
4. John Hunter

Question ID: 98958014456
Status: Answered
Chosen Option: 2

Q.25 Which Indian state launched the PRANAM Commission to protect parents of government employees?

Ans
- 1. Punjab
- 2. Maharashtra
- 3. Assam
- 4. Haryana

Question ID: 98958014471
Status: Not Answered
Chosen Option: --

Section: Quantitative Aptitude

Q.1 In a class of 49 students, 45% are girls and the remaining are boys. If the average of the girls' marks is 54 and that of the boys is 46, what is the average of the whole class?

Ans
- 1. 49.8
- 2. 49.7
- 3. 49.6
- 4. 49.5

Question ID: 98958013451
Status: Not Answered
Chosen Option: --

Q.2 The value of \( \cot^2 62^\circ - \sec^2 28^\circ + \cosec^2 30^\circ + \tan^2 60^\circ \) is equal to:

Ans
- 1. 8
- 2. \( \frac{10}{3} \)
- 3. 6
- 4. \( \frac{16}{3} \)

Question ID: 98958013469
Status: Not Answered
Chosen Option: --

Q.3 The value of:

\[ 7.2 + (8.4 \div 0.12 \times 0.2) - 5 \times 3 \div 0.05 + 3 \]

Ans
- 1. -75.8
- 2. -275.8
3. 21.2
4. -175.8

Question ID: 98958013450
Status: Not Attempted and Marked For Review
Chosen Option: --

Q.4 If \( a + b + c = 6 \) and \( ab + bc + ca = 4 \), then \( a^3 + b^3 + c^3 - 3 abc \) is equal to:

Ans

1. 148
2. 154
3. 160
4. 144

Question ID: 98958013462
Status: Answered
Chosen Option: 4

Q.5 A train without stoppage travels with an average speed of 72 km/h and with stoppage, it travels with an average speed of 60 km/h. For how many minutes does the train stop on an average per hour?

Ans

1. 10
2. 12
3. 6
4. 8

Question ID: 98958013458
Status: Answered
Chosen Option: 1

Q.6 The radii of the two circular faces of the frustum of a cone are 5 cm and 4 cm. If the height of the frustum is 21 cm, what is its volume in \( cm^3 \)? \(( \pi = \frac{22}{7} )\)

Ans

1. 902
2. 1056
3. 1342
4. 638

Question ID: 98958013459
Status: Not Answered
Chosen Option: --

Q.7 The table below indicates the percentage of students and the ratio of boys and girls in the various streams of a college.

<table>
<thead>
<tr>
<th>Stream</th>
<th>CE</th>
<th>CS</th>
<th>IT</th>
<th>ME</th>
<th>PC</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Students</td>
<td>20%</td>
<td>18%</td>
<td>21%</td>
<td>22%</td>
<td>19%</td>
</tr>
<tr>
<td>Boys: Girls</td>
<td>3:2</td>
<td>4:5</td>
<td>3:4</td>
<td>6:5</td>
<td>9:10</td>
</tr>
</tbody>
</table>

What is the ratio of students studying in CS and IT?

Ans

1. 9 : 11
2. 12 : 13
3. 6 : 7
4. 11 : 13
Q.8 The difference between the compound interest and simple interest on ₹x at 7.5% per annum for 2 years is ₹45. What is the value of x?

Ans
1. 7,000
2. 8,000
3. 9,000
4. 10,000

Question ID: 98958013470
Status: Answered
Chosen Option: 3

Q.9 \( \triangle ABC \sim \triangle PQR \) and PQ = 4 cm, QR = 7 cm and PR = 8 cm. If \( \frac{\text{ar}(\triangle ABC)}{\text{ar}(\triangle PQR)} = 1:4 \), then AC is equal to:

Ans
1. 4 cm
2. 3.7 cm
3. 1 cm
4. 2 cm

Question ID: 98958013456
Status: Answered
Chosen Option: 2

Q.10 The price of sugar is increased by 17%. A person wants to increase his expenditure by 6% only. By what percent should he decrease his consumption, nearest to one decimal place?

Ans
1. 7.9%
2. 8.3%
3. 8.1%
4. 7.7%

Question ID: 98958013466
Status: Answered
Chosen Option: 1

Q.11 If \((a + b) = 6\) and \(ab = \frac{16}{3}\), then \((a^3 + b^3)\) is equal to:

Ans
1. 190
2. 150
3. 220
4. 120

Question ID: 98958013453
Status: Answered
Chosen Option: 4

Q.12 If the six digit number 4x573y is divisible by 72 then the value of \((x + y)\) is:

Question ID: 98958013460
Status: Not Attempted and Marked For Review
Chosen Option: --
Q.13 If $a : b = 2 : 3$ and $c : b = 5 : 6$, then $a : b : c$ is equal to:

- $1. 4 : 6 : 5$
- $2. 6 : 9 : 16$
- $3. 6 : 9 : 12$
- $4. 10 : 15 : 18$

Q.14 In a circle with centre $O$, $AB$ is the diameter and $CD$ is a chord such that $ABCD$ is a trapezium. If $\angle BAC = 18^\circ$, then $\angle CAD$ is equal to:

- $1. 72^\circ$
- $2. 36^\circ$
- $3. 54^\circ$
- $4. 18^\circ$

Q.15 The table below indicates the percentage of students and the ratio of boys and girls in the various streams of a college.

<table>
<thead>
<tr>
<th>Stream</th>
<th>CS</th>
<th>CS</th>
<th>IT</th>
<th>ME</th>
<th>EC</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Students</td>
<td>20%</td>
<td>10%</td>
<td>31%</td>
<td>22%</td>
<td>19%</td>
</tr>
</tbody>
</table>

What is the ratio of boys and girls in the college?

- $1. 5 : 6$
- $2. 6 : 7$
- $3. 1 : 1$
- $4. 7 : 8$

Q.16 If $\csc \theta = \frac{13}{12}$, then $\sin \theta + \cos \theta - \tan \theta$ is equal to:

- $\sin \theta + \cos \theta - \tan \theta$
Q.17 Two articles are sold for ₹5,104 each. On one, the seller gains 16% and on the other, he loses 12%. What is his overall gain percent, nearest to two decimal places?

Ans
1. 0.08%
2. 0.12%
3. 0.14%
4. 0.10%

Q.18 In $\triangle ABC$, $AD$ is a median and $P$ is a point on $AD$ such that $AP : PD = 3 : 4$. Then $ar(\triangle APD) : ar(\triangle ABC)$ is equal to:

Ans
1. 1 : 3
2. 2 : 7
3. 4 : 7
4. 2 : 5

Q.19 A is 40% more efficient than $B$ and $C$ is 20% less efficient than $B$. Working together, they can complete a task in 20 hours. In how many hours will $A$ alone complete 55% of that task?

Ans
1. 13
2. 15
3. 16
4. 14

Q.20 If $\sin \theta = \cos(50^\circ + \theta)$, then $\theta$ is equal to:

Ans
1. 20°
Q.21 The table below indicates the percentage of students and the ratio of boys and girls in the various streams of a college. (Total students = 2600)

<table>
<thead>
<tr>
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<th>IT</th>
<th>ME</th>
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</tr>
<tr>
<td>Boys : Girls</td>
<td>3 : 2</td>
<td>4 : 5</td>
<td>3 : 4</td>
<td>6 : 5</td>
<td>9 : 10</td>
</tr>
</tbody>
</table>

If the data about the number of girls enrolled in the various streams is represented by a pie-chart, what is the central angle of the sector representing the number of girls in the ME stream, to the nearest whole degree?

Ans

1. 68°
2. 70°
3. 72°
4. 74°

Question ID: 98958013467
Status: Answered
Chosen Option: 2

Q.22 Two chords AB and CD of a circle when produced, meet at a point P outside the circle. If AB = 6 cm, PB = 5 cm, PD = 4 cm, then CD is equal to:

Ans

1. 8.25 cm
2. 7.5 cm
3. 9.75 cm
4. 7.75 cm

Question ID: 98958013473
Status: Not Attempted and Marked For Review
Chosen Option: --

Q.23 The table below indicates the percentage of students and the ratio of boys and girls in the various streams of a college. (Total students = 2600)

<table>
<thead>
<tr>
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<td>4 : 5</td>
<td>3 : 4</td>
<td>6 : 5</td>
<td>9 : 10</td>
</tr>
</tbody>
</table>

In which stream, is the difference in the percentage of boys and girls minimum?

Ans

1. EC
2. CS
3. IT
4. ME

Question ID: 98958013472
Status: Not Attempted and Marked For Review
Chosen Option: --
Q.24 An article is sold for ₹1,680 after two successive discounts of 20% and 10%. What is the marked price of the article?

A.
1. ₹2,300
2. ₹2,200
3. ₹2,500
4. ₹2,400

Q.25 If $\sqrt{x} - \frac{1}{\sqrt{x}} = \sqrt{6}$, then $x^2 + \frac{1}{x^2}$ is equal to:

A.
1. 62
2. 40
3. 54
4. 66

Section: English Comprehension

Q.1 Select the correct active form of the given sentence.

Heavy taxes have been imposed on luxury items by the government.

A.
1. The government is imposing heavy taxes on luxury items.
2. The government has imposed heavy taxes on luxury items.
3. The government imposed heavy taxes on luxury items.
4. The government had imposed heavy taxes on luxury items.

Q.2 Select the most appropriate antonym of the given word.

COVETOUS

A.
1. benevolent
2. acquisitive
3. avaricious
4. mercenary

Q.3 Select the correctly spelt word.

A.
1. desparate
Q.4 Select the correct passive form of the given sentence.

She never trusted anyone.

Ans 1. Her trust was never for anyone.
2. She was never trusted by anyone.
3. No one was ever trusted by her
4. Anyone is not trusted by her.

Q.5 Select the most appropriate synonym of the given word.

TACITURN

Ans 1. phlegmatic
2. talkative
3. reticent
4. placid

Q.6 Select the most appropriate meaning of the underlined idiom in the given sentence.

A mountaineer has to walk the tight rope as a small slip can prove to be fatal.

Ans 1. be very nervous
2. be very cautious
3. be well trained
4. be an expert

Q.7 Given below are four jumbled sentences. Select the option that gives their correct order.

A. Then, they spread as the unmined coal starts burning with oxygen drawn from pores and mine shafts.
B. An entire township- Jharia is to be relocated because of the uncontrollable underground fires.
C. These fires start mostly from burning trash close to coal pits.
D. This is a grave threat as poisonous fumes of carbon monoxide rise up from underground fires.

Ans 1. BCAD
Q. 8  Select the most appropriate option to fill in the blank.

The ship sailed smoothly owing to _____ winds.

Ans

1. turbulent
2. tempestuous
3. favourable
4. boisterous

Q. 9  Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

The big farmers with deepest tubewells still have water, but many others face a water crisis.

Ans

1. in deep tubewells
2. through deepest tubewells
3. No improvement
4. with deeper tubewells

Q. 10 Select the most appropriate meaning of the underlined idiom in the given sentence.

The boss is going to blow his top when he discovers the blatant mistake in the balance sheet.

Ans

1. dismiss from job
2. be very embarrassed
3. be very angry
4. attack fiercely

Q. 11 Select the most appropriate synonym of the given word.

MAMMOTH

Ans

1. gigantic
2. miniscule
3. perilous
Q.12 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Some agitating miners' allegation that there is no emergency measures inside the mines.

Ans

1. miners alleged that there were
2. No improvement
3. miner's allegation that there are
4. miners' allege that there is

Q.13 Select the word which means the same as the group of words given.

A place for storing guns and military equipment

Ans

1. archive
2. arsenal
3. apiary
4. aviary

Q.14 Given below are four jumbled sentences. Select the option that gives their correct order.

A. But the rest of the students were rushing past her for a break, like she didn't exist.
B. She slowly pushed open the library door and took a seat at one of the tables in the corner.
C. And today, Jessica really felt like maybe she didn't exist.
D. When the bell rang for lunch, Jessica took her lunch box and started moving towards the library.

Ans

1. DACB
2. BDCA
3. DBCA
4. CADB

Q.15 Select the most appropriate option to fill in the blank.

A ______ speech is certainly more effective than one which is verbose.

Ans

1. laconic
2. sullen
3. lengthy
4. surly

Q.16 Select the word which means the same as the group of words given.

A place where fruit trees are grown

Ans

✓ 1. orchard

✗ 2. farm

✗ 3. plantation

✗ 4. garden

Q.17 In the sentence identify the segment which contains the grammatical error.

The length of a male swallow’s tail reveal his attractiveness for a female swallow.

Ans

✗ 1. The length of

✓ 2. a male swallow’s tail reveal

✓ 3. a female swallow

✗ 4. his attractiveness for

Q.18 In the sentence identify the segment which contains the grammatical error.

My father dissuaded me to try for a job as he wanted me to pursue higher studies.

Ans

✗ 1. as he wanted me

✗ 2. My father dissuaded me

✗ 3. to pursue higher studies

✓ 4. to try for a job

Q.19 Select the correctly spelt word.

Ans

✓ 1. exhibition

✗ 2. affliction

✗ 3. voilation

✗ 4. tution

Question ID : 98958012771
Status : Answered
Chosen Option : 1

Question ID : 98958012766
Status : Answered
Chosen Option : 1

Question ID : 98958012746
Status : Answered
Chosen Option : 1

Question ID : 98958012747
Status : Not Answered
Chosen Option : --

Question ID : 98958012769
Status : Answered
Chosen Option : --
Q.20 Select the most appropriate antonym of the given word.

CRUCIAL

Ans  
1. trivial  **(Correct)**
2. imperative  **(Wrong)**
3. pivotal  **(Wrong)**
4. critical  **(Wrong)**

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Ironically, the dams that were constructed to (1)______ floods have triggered floods due to sedimentation in the reservoir. The (2)______ of water from dams during heavy rains aggravated the flood situation (3)______ Maharashtra and Gujarat in 2006. The floods (4)______ not only life and property but also caused soil erosion. Sedimentation (5)______ the plains of silt, a natural fertilizer.

SubQuestion No : 21
Q.21 Select the most appropriate option to fill in blank No.1

Ans  
1. dominate  **(Wrong)**
2. control  **(Correct)**
3. reduce  **(Wrong)**
4. resist  **(Wrong)**

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Ironically, the dams that were constructed to (1)______ floods have triggered floods due to sedimentation in the reservoir. The (2)______ of water from dams during heavy rains aggravated the flood situation (3)______ Maharashtra and Gujarat in 2006. The floods (4)______ not only life and property but also caused soil erosion. Sedimentation (5)______ the plains of silt, a natural fertilizer.

SubQuestion No : 22
Q.22 Select the most appropriate option to fill in blank No.2

Ans  
1. restraint  **(Wrong)**
2. collection  **(Wrong)**
3. release  **(Correct)**
4. liberation  **(Wrong)**

Comprehension:
Ironically, the dams that were constructed to (1) ***protect*** floods have triggered floods due to sedimentation in the reservoir. The (2) ***release*** of water from dams during heavy rains aggravated the flood situation (3) ***across*** Maharashtra and Gujarat in 2006. The floods (4) ***devastated*** not only life and property but also caused soil erosion. Sedimentation (5) ***deprived*** the plains of silt, a natural fertilizer.

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Ironically, the dams that were constructed to (1) ***protect*** floods have triggered floods due to sedimentation in the reservoir. The (2) ***release*** of water from dams during heavy rains aggravated the flood situation (3) ***across*** Maharashtra and Gujarat in 2006. The floods (4) ***devastated*** not only life and property but also caused soil erosion. Sedimentation (5) ***deprived*** the plains of silt, a natural fertilizer.

**SubQuestion No : 23**

Q.23 Select the most appropriate option to fill in blank No.3

Ans

1. through
2. among
3. in
4. along

**Chosen Option : 3**

**Question ID : 98958012755**

**Status : Answered**

**SubQuestion No : 24**

Q.24 Select the most appropriate option to fill in blank No.4

Ans

1. devastated
2. devoured
3. smashed
4. plundered

**Chosen Option : 1**

**Question ID : 98958012756**

**Status : Answered**

**SubQuestion No : 25**

Q.25 Select the most appropriate option to fill in blank No.5

Ans

1. deprived
2. distributed
3. destroyed
4. disabled

**Chosen Option : 1**

**Question ID : 98958012757**
Q.1 Three different positions of the same dice are shown below. Which symbol is on the face opposite the face showing “#”?

Ans

1. &
2. +
3. %
4. #

Question ID: 98958013894
Status: Answered
Chosen Option: 1

Q.2 Find the missing number from the below options.

9  25  49
6  11  13

Ans

1. 18
2. 20
3. 19
4. 21

Question ID: 98958013888
Status: Not Answered
Chosen Option: --

Q.3 Select the figure that will come next in the following figure series.

Ans
1. Insulin is related to ‘Hormone’ in the same way as ‘Pepsin’ is related to ‘______’.

Q.4

1. Enzymes
2. Digestion
3. Stomach
4. Vitamins

Status: Not Answered

Chosen Option: --

Q.5 The sum of the current ages of Natasha and Krishna is 50 years. 10 years ago, Krishna was twice as old as Natasha. What is Krishna’s current age?

Q.5

1. 10 years
2. 20 years
3. 30 years
4. 15 years

Status: Answered

Chosen Option: 1

Q.6 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Q.6

1. PUYBD
2. JOSVX
3. EINQS
4. TYBEG

Status: Answered

Chosen Option: 4
Q.7
Find the missing number from the below options.

4  6  7  8  3  ?  41  45  58

Ans  1.  3
   2.  51
   3.  9
   4.  12

Question ID: 98958013889
Status: Not Answered
Chosen Option: --

Q.8
Select the number that will replace ? in the following series.

120, 128, 144, 168, ?, 240

Ans  1.  200
2.  216
3.  208
4.  202

Question ID: 98958013885
Status: Answered
Chosen Option: 1

Q.9
Which two signs should be interchanged to make the given equation correct?

27 ÷ 3 – 18 + 3 × 2 = 18

Ans  1.  ÷ and +
2.  ÷ and –
3.  × and +
4.  ÷ and ×

Question ID: 98958013890
Status: Marked For Review
Chosen Option: 1

Q.10
Select the word-pair in which the two words are related in the same way as the two words in the following word-pair.

Walnut : Fig

Ans  1.  Raisin : Apricot
2.  Turmeric : Spices
3.  Almond : Dry fruits
4.  Asafoetida : Cashew nuts
Q.11 In the Venn diagram given below, the circle represents 'Ladies', the triangle represents 'Constables' and the square represents 'Married persons'. The numbers given in the diagram represents number of persons of that particular category.

How many lady constables are NOT married?

Ans

1. 15
2. 8
3. 12
4. 14

Q.12 Select the figure in which the given figure is embedded. (Rotation is not allowed)

Ans

1.
2.
3.
4.

Q.13 Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd one out.

Ans

1. 4 : 16
2. 14 : 196
3. 12 : 244
Q.14 Given below is a transparent sheet of paper with a pattern on the left and right side. How will the pattern appear when the transparent sheet is folded on the dotted line?

Ans

1.  

2.  

3.  

4.  

Q.15 Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
All squirrels are lizards.
All lizards are geese.

Conclusions:
I. Some squirrels are not geese.
II. Some lizards are squirrels.
III. Some geese are squirrels.

Ans

1. Conclusions I and III follow

2. Conclusions I and II follow

3. Conclusions II and III follow

4. Conclusions I, II and III follow

Q.16 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Ans

1. Honesty

2. Integrity
3. Hypocrisy
4. Truthfulness

Q.17
A + B means ‘A is the mother of B’
A – B means ‘A is the father of B’
A × B means ‘A is the sister of B’
A ÷ B means ‘A is the daughter of B’

If P + R × T – Q + S ÷ U, then how is S related to T?

Ans
1. Daughter
2. Mother
3. Sister
4. Wife

Q.18
In a code language, if PICTURE is coded as 16932021185 then how will FUNCTION be coded in the same language?

Ans
1. 6211432091413
2. 6211432081514
3. 6211432091514
4. 6211332091513

Q.19
Select the letter cluster that will come next in the following series.
ADH, XAE, UXB, RUY, ?

Ans
1. OSV
2. PRV
3. ORV
4. ORU

Q.20
Select the term that will replace the question mark (?) in the following series.
A, G, L, ?, S, U, V

Ans
1. P
2. O
Q.21 Select the correct mirror image of the given figure when a vertical mirror is placed on the right of the figure.

Ans

1. 

2. 

3. 

4. 

Q.22 In a code language, SELECTION is written as SELEDITNO. How will NOSTALGIA be written in the same language?

Ans

1. ONSTBGLAI

2. ONTSBGLAI

3. NOTSBLGAI

4. ONTSZGLAI

Q.23 How many triangles are there in the figure given below?

Ans

1. 30

2. 24
Q.24 Select the option that is related to the third number in the same way as the second number is related to the first number.

16 : 249 :: 6 : ?

Ans

1. 25
2. 35
3. 40
4. 30

Question ID: 98958013893
Status: Not Attempted and Marked For Review
Chosen Option: --

Q.25 Arrange the following words in a logical and meaningful order.

1. Kidney
2. Heart
3. Brain
4. Thyroid gland
5. Liver

Ans

1. 3, 4, 2, 1, 5
2. 3, 4, 2, 5, 1
3. 3, 2, 4, 5, 1
4. 3, 2, 4, 1, 5

Question ID: 98958013886
Status: Answered
Chosen Option: 4

Section: General Awareness

Q.1 The Constitution of India was amended for the first time in which year?

Ans

1. 1951
2. 1954
3. 1961
4. 1960

Question ID: 98958014492
Status: Marked For Review
Chosen Option: 1

Q.2 Which Indian author wrote the book 'The English Teacher'?

Ans

1. Ruskin Bond
2. Khushwant Singh
3. R K Narayan
4. Vikram Seth

Q.3 In which province of China is the Huangguoshu National Park located which houses the world's largest waterfall cluster.

Ans
1. Jiangsu
2. Shandon
3. Guizhou
4. Yunnan

Q.4 World Water Day' is annually celebrated on ______.

Ans
1. 22nd March
2. 2nd June
3. 13th August
4. 15th January

Q.5 In 2019, Harsh Vardhan, the union minister for Environment, Forest and Climate Change launched the India Cooling Action Plan (ICAP). On which day was ICAP released?

Ans
1. 15th February
2. 26th January
3. 27th February
4. 8th March

Q.6 In which part of the female flower does fertilisation take place?

Ans
1. Ovary
2. Stigma
3. Filament
4. Style
Q.7 The ‘Tanakh’ is the sacred text of which religion/sect?

Ans  
✓ 1. Judaism
✗ 2. Taoism
✗ 3. Zen Buddhism
✗ 4. Confucianism

Question ID: 98958014475
Status: Not Answered
Chosen Option: 2

Q.8 ________ became the most successful doubles player in the history of Davis Cup as on 2018.

Ans  
✓ 1. Leander Paes
✗ 2. Leon Smith
✗ 3. Henri Leconte
✗ 4. Mark Woodforde

Question ID: 98958014495
Status: Not Answered
Chosen Option: --

Q.9 Which of the following was a port city of the Indus Valley Civilization?

Ans  
✗ 1. Kalibangan
✓ 2. Lothal
✗ 3. Rakhigarhi
✗ 4. Dholavira

Question ID: 98958014486
Status: Marked For Review
Chosen Option: 2

Q.10 The interest rate charged by banks on short-term loans to their largest, most secure and most creditworthy customers is called ______.

Ans  
✓ 1. Prime Lending Rate
✗ 2. Amortised Rate
✗ 3. Discount Rate
✗ 4. Variable Rate

Question ID: 98958014476
Status: Answered
Chosen Option: 1

Q.11 The phrase ‘Survival of the fittest’ as a way of describing the mechanism of natural selection was coined by ______.

Ans  
✗ 1. Louis Pasteur
✗ 2. Charles Babbage
✓ 3. Herbert Spencer
Q.12 Night Blindness is caused by the deficiency of Vitamin ______.

Ans

1. K
2. A
3. C
4. B12

Q.13 The Indus Water Treaty was signed between India and ______.

Ans

1. Pakistan
2. China
3. Afghanistan
4. Bangladesh

Q.14 About 70% of the sun is made up of ______.

Ans

1. Hydrogen
2. Oxygen
3. Carbon
4. Helium

Q.15 Which of the following Indian authors is one of the four screenplay writers of the movie 'Kai Po Che'?

Ans

1. Amish Tripathi
2. Chetan Bhagat
3. Ravinder Singh
4. Durjoy Datta

Q.16 When was the Constitution of Pakistan enforced?

Ans

1. 1973
Q.17 Which one of the following is the highest altitude lake of Pakistan?
Ans
1. Rush Lake
2. Paristan Lake
3. Satpara Lake
4. Attabad Lake

Q.18 Cash Reserve Ratio (CRR) is calculated as a percentage of each bank's _____.
Ans
1. rate of inflation
2. net demand and time liabilities
3. credit growth
4. savings of customers

Q.19 The former princely state of Tripura in the north-eastern part of India was ruled by ________ Dynasty.
Ans
1. Haihaya
2. Manikya
3. Nagvanshi
4. Ahom

Q.20 _____ assumed the title of 'Gangaikondachola' or the conqueror of the river Ganga.
Ans
1. Rajadhiraja Chola
2. Rajaraja Chola I
3. Rajendra Chola I
4. Vijayalay Chola
### Q.21 Bhavai' is a traditional dance form of ______.

**Ans**
- 1. Gujarat
- 2. Bihar
- 3. Punjab
- 4. Maharashtra

**Question ID:** 98958014474  
**Status:** Marked For Review  
**Chosen Option:** 1

### Q.22 DNA is stored majorly in ______ of the cell.

**Ans**
- [x] 1. golgi body
- [x] 2. cytoplasm
- [x] 3. plasma membrane
- 4. nucleus

**Question ID:** 98958014478  
**Status:** Answered  
**Chosen Option:** 4

### Q.23 Who among the following is the only Indian to have won the Amateur World title in both, snooker and billiards?

**Ans**
- 1. Geet Sethi
- [x] 2. Michael Ferreira
- [x] 3. Subhash Agarwal
- 4. Pankaj Advani

**Question ID:** 98958014494  
**Status:** Answered  
**Chosen Option:** 4

### Q.24 The 'Friendship Highway' is a road that connects China to ______.

**Ans**
- [x] 1. India
- 2. Nepal
- [x] 3. Pakistan
- 4. Myanmar

**Question ID:** 98958014483  
**Status:** Answered  
**Chosen Option:** 3

### Q.25 In which year was the 'Battle of Goa' fought?

**Ans**
- [x] 1. 1510
- [x] 2. 1524
- [x] 3. 1502
- 4. 1514

**Question ID:** 98958014487  
**Status:** Not Answered  
**Chosen Option:** 3
**Section: Quantitative Aptitude**

**Q.1** The value of $\sin^2 46^\circ + \sin^2 42^\circ - \sec^2 30^\circ + \tan^2 60^\circ$ is equal to:

<table>
<thead>
<tr>
<th>Ans</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>$\frac{8}{3}$</td>
<td>✔</td>
</tr>
<tr>
<td>2.</td>
<td>2</td>
<td>✗</td>
</tr>
<tr>
<td>3.</td>
<td>$\frac{7}{3}$</td>
<td>✗</td>
</tr>
<tr>
<td>4.</td>
<td>$\frac{5}{3}$</td>
<td>✗</td>
</tr>
</tbody>
</table>

Question ID: 98958013494
Status: Answered
Chosen Option: 1

**Q.2** If $a : b = 5 : 8$ and $c : b = 4 : 3$, then $a : b : c$ is equal to:

<table>
<thead>
<tr>
<th>Ans</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>15 : 24 : 28</td>
<td>✗</td>
</tr>
<tr>
<td>2.</td>
<td>5 : 6 : 8</td>
<td>✔</td>
</tr>
<tr>
<td>3.</td>
<td>15 : 24 : 32</td>
<td>✔</td>
</tr>
<tr>
<td>4.</td>
<td>5 : 8 : 6</td>
<td>✗</td>
</tr>
</tbody>
</table>

Question ID: 98958013480
Status: Answered
Chosen Option: 3

**Q.3** The value of:

$$5.8 + (7.4 \div 3.7 \times 5) - 6 \times 2 \div 2.5$$

<table>
<thead>
<tr>
<th>Ans</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>12</td>
<td>✗</td>
</tr>
<tr>
<td>2.</td>
<td>11</td>
<td>✔</td>
</tr>
<tr>
<td>3.</td>
<td>10</td>
<td>✗</td>
</tr>
<tr>
<td>4.</td>
<td>9</td>
<td>✗</td>
</tr>
</tbody>
</table>

Question ID: 98958013475
Status: Answered
Chosen Option: 2

**Q.4** A train without stoppage travels with an average speed of 86 km/h and with stoppage, it travels with an average speed of 72 km/h. For how many minutes does the train stop on an average per hour?

<table>
<thead>
<tr>
<th>Ans</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>8</td>
<td>✗</td>
</tr>
<tr>
<td>2.</td>
<td>6</td>
<td>✔</td>
</tr>
<tr>
<td>3.</td>
<td>7</td>
<td>✗</td>
</tr>
<tr>
<td>4.</td>
<td>9</td>
<td>✗</td>
</tr>
</tbody>
</table>
Q.5  The difference between the compound interest and simple interest on ₹x at 12% per annum for 2 years is ₹18. What is the value of x?

Ans  
1. 1.250  
2. 1.280  
3. 1.340  
4. 1.300

Q.6  The price of sugar is increased by 21%. A person wants to increase his expenditure by 12% only. By what percent, correct to one decimal place, should he reduce his consumption?

Ans  
1. 7.4%  
2. 7.2%  
3. 7.6%  
4. 7.8%

Q.7  ΔABC ~ ΔQPR and AB = 8 cm, BC = 12 cm and AC = 6 cm. If ar(ΔABC) : ar(ΔQPR) = 16 : 25, then RQ is equal to:

Ans  
1. 12.5 cm  
2. 10 cm  
3. 15 cm  
4. 7.5 cm

Q.8  This table shows the number of students studying in various streams in different colleges.

<table>
<thead>
<tr>
<th>Streams</th>
<th>College</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
</tr>
<tr>
<td>Arts</td>
<td>580</td>
<td>460</td>
<td>320</td>
<td>470</td>
<td>370</td>
</tr>
<tr>
<td>Science</td>
<td>620</td>
<td>680</td>
<td>540</td>
<td>360</td>
<td>400</td>
</tr>
<tr>
<td>Commerce</td>
<td>480</td>
<td>520</td>
<td>350</td>
<td>520</td>
<td>330</td>
</tr>
</tbody>
</table>

The number of students in the science stream of college C is approximately what percentage of students studying in that college?

Ans  
1. 42%  
2. 43%  
3. 44%  
4. 45%
Q.9 In a class of 50 students, 46% are girls and the remaining are boys. The average of the boys' marks is 58 and that of the girls is 62. What are the average marks of the whole class?

Ans

1. 59.84  ✔
2. 60.65  ❌
3. 60.38  ❌
4. 60.12  ❌

Question ID: 98958013476
Status: Answered
Chosen Option: 4

Q.10 In \( \triangle ABC \), \( P \) is a point on \( BC \) such that \( BP : PC = 1 : 2 \) and \( Q \) is the mid point of \( BP \). Then, \( \text{ar}(\triangle BPQ) : \text{ar}(\triangle ABC) \) is equal to:

Ans

1. 1 : 3  ❌
2. 1 : 6  ✔
3. 1 : 4  ❌
4. 1 : 5  ❌

Question ID: 98958013490
Status: Not Answered
Chosen Option: --

Q.11 If \( \sec \theta = \frac{13}{5} \), then \( \tan \theta - \sin \theta + \cos \theta \) is equal to:

Ans

1. \( \frac{121}{65} \)  ✔
2. \( \frac{118}{65} \)  ❌
3. \( \frac{23}{13} \)  ❌
4. \( \frac{124}{65} \)  ❌

Question ID: 98958013493
Status: Answered
Chosen Option: 1

Q.12 The radii of the two circular faces of the frustum of a cone of height 14 cm are 5 cm and 2 cm. What is its volume in cm\(^3\)? (\( \pi = \frac{22}{7} \))

Ans

1. 572  ✔
2. 560  ❌
3. 520  ❌
4. 540  ❌

Question ID: 98958013484
Status: Answered
Chosen Option: 1
Q.13 A is 50% more efficient than B and C is 40% less efficient than B. Working together, they can complete a task in 10 days. In how many days will A alone complete 150% of that task?

Ans

- 1. 33
- 2. 35
- 3. 28
- 4. 31

Question ID: 98958013482
Status: Marked For Review
Chosen Option: 1

Q.14 If \( a + b = 8 \) and \( ab = \frac{32}{3} \), then \( (a^3 + b^3) \) is equal to:

Ans

- 1. 256
- 2. 128
- 3. 320
- 4. 384

Question ID: 98958013485
Status: Answered
Chosen Option: 1

Q.15 Two articles are sold for Rs.508 each. On one, there is a gain of 14% and on the other, there is a loss of 12%. What is the overall gain or loss percent to nearest one decimal place?

Ans

- 1. 0.7% gain
- 2. 0.7% loss
- 3. 0.5% gain
- 4. 0.5% loss

Question ID: 98958013479
Status: Marked For Review
Chosen Option: 1

Q.16 If \( \sin \theta = \cos(50^\circ - \theta) \), then \( \theta \) is equal to:

Ans

- 1. 20°
- 2. 25°
- 3. 30°
- 4. 15°

Question ID: 98958013492
Status: Marked For Review
Chosen Option: 3

Q.17 If \( \sqrt{x} + \frac{1}{\sqrt{x}} = \sqrt{7} \), then \( x^3 + \frac{1}{x^3} \) is equal to:

Ans

- 1. 140
- 2. 130
- 3. 120
Q.18

If $a + b + c = 4$ and $ab + bc + ca = 2$, then $a^3 + b^3 + c^3 - 3abc$ is equal to:

**Ans**
1. 36
2. 32
3. 48
4. 40

Q.19

This table shows the number of students studying in various streams in different colleges.

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<th>C</th>
<th>D</th>
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<td>540</td>
<td>360</td>
<td>400</td>
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<tr>
<td>Commerce</td>
<td></td>
<td>480</td>
<td>520</td>
<td>350</td>
<td>520</td>
<td>330</td>
</tr>
</tbody>
</table>

What is the ratio of the number of students studying science in colleges A and B together to the number of students studying commerce in colleges D and E together?

**Ans**
1. 21 : 17
2. 23 : 15
3. 13 : 8
4. 26 : 17

Q.20

Two chords AB and CD of a circle intersect at a point P inside the circle. If $AB = 7$ cm, $PC = 2$ cm and $AP = 4$ cm, then CD is equal to:

**Ans**
1. 6 cm
2. 8 cm
3. 4 cm
4. 5 cm

Q.21
This table shows the number of students studying in various streams in different colleges.

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<td>520</td>
<td>350</td>
<td>520</td>
<td>330</td>
</tr>
</tbody>
</table>

What is the average of the number of students in the arts stream in all the colleges taken together?

Ans  
1. 450
2. 470
3. 440
4. 460

Question ID: 98958013496  
Status: Answered  
Chosen Option: 3

Q.22 In a circle with centre O, AB is the diameter and CD is a chord such that ABCD is a trapezium. If ∠BAC = 24°, then ∠CAD is equal to:

Ans  
1. 24
2. 42  
3. 36
4. 48

Question ID: 98958013489  
Status: Not Answered  
Chosen Option: --

Q.23 This table shows the number of students studying in various streams in different colleges.

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<td>330</td>
</tr>
</tbody>
</table>

If the data about students of the commerce stream in all colleges is represented by a pie-chart, what is the central angle of the sector representing college D, to the nearest degree?

Ans  
1. 80°
2. 82°  
3. 88°  
4. 85°

Question ID: 98958013498  
Status: Answered  
Chosen Option: 2

Q.24 For what value of $x$ is the seven digit number 46393$x$8 divisible by 11?

Ans  
1. 5
2. 3  
3. 2
4. 7
Question ID: 98958013474  
Status: Answered  
Chosen Option: 2

Q.25  
An article is sold for ₹355.50 after two successive discounts of 25% and 15%. What is the marked price of the article?

1. ₹800  
2. ₹830  
3. ₹820  
4. ₹840  

Question ID: 98958013477  
Status: Answered  
Chosen Option: 4

Section: English Comprehension

Q.1  
Select the most appropriate synonym of the given word.

EXALT

1. challenge  
2. praise  
3. condemn  
4. extract

Question ID: 98958012787  
Status: Not Answered  
Chosen Option: --

Q.2  
Select the correct active form of the given sentence.

Superstitions are still believed in by people.

1. People have still believed in superstitions.  
2. People are still believing in superstitions.  
3. People still believe in superstitions.  
4. People still believed in superstitions.

Question ID: 98958012775  
Status: Answered  
Chosen Option: 3

Q.3  
Select the most appropriate meaning of the underlined idiom in the given sentence.

One must learn to prioritize in life. It never pays to put the cart before the horse.

1. perform many tasks simultaneously  
2. postpone till the last moment  
3. do things spontaneously  
4. do last things first

Question ID: 98958012791  
Status: Answered  
Chosen Option: 4
Q.4 Select the correct passive form of the given sentence

It is time to serve dinner.

Ans

✓ 1. It is time so dinner should be served.

✓ 2. It is dinner serving time.

✓ 3. It is time for dinner to be served.

✓ 4. It is time that dinner is serve.

Q.5 Select the most appropriate meaning of the underlined idiom in the given sentence.

His success at such a young age speaks volumes for his talent.

Ans

✓ 1. gives enough proof

✓ 2. boasts a lot

✓ 3. publically announces

✓ 4. showers praise

Q.6 Select the most appropriate option to fill in the blank.

We should never ______ with the rules of driving.

Ans

✓ 1. trifle

✓ 2. temper

✓ 3. reckon

✓ 4. tamper

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Bhopal gas tragedy has been described as the world's (1)______ industrial disaster. Forty two tonnes of methyl isocyanate (2)______ from the steel containers (3)______ the Union Carbide factory and released a cloud of (4)______ gas. It left a legacy of instant and (5)______ death.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank No.1

Ans

✓ 1. bad

✓ 2. worst

✓ 3. worse

✓ 4. best
Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Bhopal gas tragedy has been described as the world's (1)_____ industrial disaster. Forty two tonnes of methyl isocyanate (2)______ from the steel containers (3)______ the Union Carbide factory and released a cloud of (4)______ gas. It left a legacy of instant and (5)______ death.

SubQuestion No : 8
Q.8 Select the most appropriate option to fill in blank No.2
Ans
1. flowed
2. released
3. emitted
4. leaked

SubQuestion No : 9
Q.9 Select the most appropriate option to fill in blank No.3
Ans
1. across
2. at
3. beside
4. along

SubQuestion No : 10
Q.10 Select the most appropriate option to fill in blank No.4
Ans
1. merciless
2. deathly
3. incurable
4. abominable
Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Bhopal gas tragedy has been described as the world’s (1)______ industrial disaster. Forty two tonnes of methyl isocyanate (2)______ from the steel containers (3)______ the Union Carbide factory and released a cloud of (4)______ gas. It left a legacy of instant and (5)______ death.

SubQuestion No : 11
Q.11 Select the most appropriate option to fill in blank No.5
Ans
1. averted
2. detained
3. momentary
4. deferred

Q.12 Given below are four jumbled sentences. Select the option that gives their correct order.
A. The first of these states that the only way to have a friend is to be one.
B. Like all relationships, it is also governed by some well-defined principles.
C. Friendship is one of the most coveted relationships on earth.
D. Thus, one must be reliable as a friend to expect reliability in others.
Ans
1. ACBD
2. CBAD
3. BDAC
4. CDBA

Q.13 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.
She was so tired to work any longer.
Ans
1. too tired to work
2. so tiring to work
3. No improvement
4. so tired to not work

Q.14 Select the word which means the same as the group of words given.
That which cannot be satisfied
Q.15 In the sentence identify the segment which contains the grammatical error.

The child along with his parents were waiting for the programme to begin.

Ans
1. along with his parents
2. were waiting for the
3. The child
4. programme to begin

Q.16 Given below are four jumbled sentences. Select the option that gives their correct order.

A. But that is for an emotional reason.
B. Learning our mother tongue is important and everyone should start there.
C. This is because proficiency in the language can lead to better opportunities.
D. Learning English, however, is important for practical reasons.

Ans
1. DBAC
2. DACB
3. BDCA
4. BADC

Q.17 Select the most appropriate antonym of the given word.

EXTRAVAGANT

Ans
1. generous
2. deficit
3. pauper
4. thrifty

Q.18 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

He made a desperate but also partial successful effort to change the ghastly topic.

Ans
Q.19 Select the word which means the same as the group of words given.

The act of looking back on past time

**Ans**
1. retrospection **✓**
2. inspection **✗**
3. circumspection **✗**
4. introspection **✗**

Question ID: 98958012777
Status: Answered
Chosen Option: 2

Q.20 Select the most appropriate option to fill in the blank.

The accident victim _____ to his injuries before he could be taken to the hospital.

**Ans**
1. surrendered **✗**
2. submitted **✗**
3. succumbed **✓**
4. subscribed **✗**

Question ID: 98958012793
Status: Answered
Chosen Option: 1

Q.21 In the sentence identify the segment which contains the grammatical error.

He is more smarter than his brother though he does not earn much money.

**Ans**
1. than his brother **✗**
2. He is more smarter **✓**
3. much money **✓**
4. though he does not earn **✓**

Question ID: 98958012772
Status: Answered
Chosen Option: 2

Q.22 Select the most appropriate synonym of the given word.

**CONCISE**

**Ans**
1. brief **✓**
2. detailed **✗**
3. complex **✗**
Q.23 Select the correctly spelt word.
Ans
1. manipulate
2. manipulate
3. manipulate
4. manipulate

Q.24 Select the correctly spelt word.
Ans
1. argument
2. argument
3. argument
4. argument

Q.25 Select the most appropriate antonym of the given word.
VIGILANT
Ans
1. careful
2. careless
3. visible
4. elusive
### Q.1
Select the figure that will come next in the following figure series.

![Figure Series]

**Ans**
1. 
2. 
3. 
4. 

---

**Question ID:** 98958013917  
**Status:** Answered  
**Chosen Option:** 3

---

### Q.2
Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

**Statements:**
- All drums are sticks.
- Some drums are boxes.

**Conclusions:**
1. Some boxes are sticks.  
2. Some sticks are drums.  
3. All sticks are drums.

**Ans**
1. Only conclusions II and III follow
2. Only conclusions I and II follow
3. Only conclusions I and III follow.
4. All the conclusions, I, II and III follow

---

**Question ID:** 98958013909  
**Status:** Answered  
**Chosen Option:** 2

---

### Q.3

---

**Question ID:**  
**Status:**  
**Chosen Option:**
Q.4 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.

Q.4 Select the figure in which the given figure is embedded.
(Rotation is not allowed).
Q.5 Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

Ans

Q.6 Which letter will replace the question mark (?) in the following series?

X, R, ?, I, F, D, C

Ans

× 1. Q
Q.7 In the given Venn diagram, the circle represents ‘businessmen’, the triangle represents ‘landlords’ and the rectangle represents ‘income tax payers’. The numbers given in the diagram represent the number of persons in that particular category.

How many businessmen are tax payers but NOT landlords?

Ans  
1. 8  
2. 22  
3. 17  
4. 19

Q.8 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans  
1. UVYCH  
2. JKNRV  
3. GHKOT  
4. PQTXC

Q.9 In a code language, YOOGURT is written as 2515782118290. How will DEVELOP be written as in that language?

Ans  
1. 45225111516  
2. 45215121516  
3. 45225121516  
4. 45225121515

Q.10 Which letter-cluster will replace the question mark (?) in the following series?

FKP, HNT, JQX, LTB, ?

Ans  
1. MWF  
2. NWG  
3. NXF  
4. NWF
Q.11 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Ans

*1. Inquire
2. Deliberate
3. Explore
4. Examine*

Q.12 ‘A + B’ means ‘A is the sister of B’.
‘A – B’ means ‘A is the brother of B’.
‘A × B’ means ‘A is the mother of B’.
‘A + B’ means ‘A is the father of B’.

If V + S × Q – P + T + R × U, then how is R related to S?

Ans

*1. Grandson
2. Daughter
3. Grand-daughter
4. Maternal grandmother*

Q.13 Select the missing number from the below options.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>17</td>
<td>8</td>
</tr>
<tr>
<td>16</td>
<td>36</td>
<td>4</td>
</tr>
<tr>
<td>15</td>
<td>23</td>
<td>?</td>
</tr>
</tbody>
</table>

Ans

*1. 12
2. 14
3. 11
4. 10*

Q.14 Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Sentence: Cloak Room

Ans

*1. Salary : Credit
2. Money : Bank
3. Chair : Furniture*
4. Bag : Luggage

Q.15  Three different positions of the same dice are shown. Which number will be on the face opposite to the one having ?

Ans

1. 4
2. 5
3. 3
4. 6

Q.16  Which number will replace the question mark (?) in the following series?

115, ?, 134, 145, 157, 170

Ans

1. 124
2. 122
3. 125
4. 127

Q.17  Which two signs should be interchanged to make the following equation correct?

\[ 4 \times 5 - 24 \div 12 + 8 = 14 \]

Ans

1. + and +
2. + and \times
3. + and -
4. \times and +

Q.18  Three of the following four number-pairs are alike in a certain way and one is different. Pick the number-pair that is different from the rest.

Ans

1. 13 : 170
2. 11 : 120
3. 5 : 24
4. 7 : 48
Q.19  'Political Science' is related to 'Social Science' in the same way as 'Chemistry' is related to '_____'.

Ans  

1. Equations   
2. Science   
3. Humanities   
4. Elements

Question ID: 98958013903  
Status: Answered  
Chosen Option: 2

Q.20  Arrange the following words in a logical and meaningful order:

1. Writing  
2. Book  
3. Seller  
4. Idea  
5. Feedback  
6. Reader

Ans  

1. 4, 1, 2, 3, 6, 5   
2. 4, 1, 2, 6, 3, 5   
3. 4, 1, 3, 6, 5, 2   
4. 4, 1, 2, 6, 5, 3

Question ID: 98958013900  
Status: Answered  
Chosen Option: 2

Q.21  Select the missing number from the below options.

9  11  8  
6  8  3  
45  57  ?

Ans  

1. 54   
2. 55   
3. 52   
4. 53

Question ID: 98958013914  
Status: Not Answered  
Chosen Option: --

Q.22  Select the option that is related to the third number in the same way as the second number is related to the first number.

9 : 90 : 12 : ?

Ans  

1. 160   
2. 150   
3. 156   
4. 152

Question ID: 98958013911  
Status: Answered
Q.23 How many triangles are present in the following figure?

Ans

1. 18
2. 19
3. 20
4. 17

Q.24 The sum of the current ages of Vishal and Armaan is 70 years. 5 years ago, Vishal was twice as old as Armaan. What is Armaan's current age?

Ans

1. 10 years
2. 45 years
3. 25 years
4. 20 years

Q.25 In a code language, PERMANENT is written as ETCHOCILA. How will TECHNICAL be written as in that language?

Ans

1. TEHOCIAL
2. ETHOCILA
3. ETHCPCILA
4. ETHCOCILA

Q.1 Who is the author of the book 'India Shastra: Reflections on the Nation in our Time'?

Ans

1. Narendra Modi
2. Shashi Tharoor
3. Manmohan Singh
4. A P J Abdul Kalam

Q.2 Which of the following is the highest mountain peak in Maharashtra?

Ans
1. Kalsubai Shikhar
2. Anjaneri
3. Salher
4. Taramati

Q.3 Who was the last ruler of the Vaghela Dynasty of Gujarat after whose defeat the kingdom was passed to Alauddin Khilji?

Ans
1. Arjuna Deva
2. Saranga Deva
3. Karandev
4. Rama

Q.4 _____ is well-known for the golden beautification of the Harmandir Sahib Gurdwara in Amritsar, famously known as the Golden Temple.

Ans
1. Maha Singh
2. Ranjit Singh
3. Duleep Singh
4. Charat Singh

Q.5 Dashain’ is the grandest festival of ______.

Ans
1. Bangladesh
2. Bhutan
3. Sri Lanka
4. Nepal

Q.6 Which Indian badminton player was runner-up at the 2019 Swiss Open tournament?

Ans
1. Kidambi Srikanth
2. Chetan Anand
3. Sai Praneeth
4. Parupalli Kashyap

Q.7 Blue litmus paper turns ____ on contact with an acidic solution.

Ans
1. red
2. brown
Q.8 Name the tissue that transports food to various parts of a plant.

Ans

1. Parenchyma  
2. Xylem  
3. Phloem  
4. Sclerenchyma

Q.9 What effect will a decrease in demand and an increase in supply have on equilibrium price?

Ans

1. Equilibrium price will fall  
2. Equilibrium price will rise  
3. Equilibrium price will be constant  
4. Sometimes price will rise and sometimes it will fall

Q.10 Which of the following is called the 'popular chamber'?

Ans

1. State Assembly  
2. Rajya Sabha  
3. Lok Sabha  
4. Gram Sabha

Q.11 What is the dominant chemical present in detergent powder?

Ans

1. Hydrochloric acid  
2. Sodium carbonate  
3. Calcium carbonate  
4. Sodium alkyl sulphate

Q.12 A substantial increase in capital expenditure or revenue deficit leads to ______.

Ans

1. Budgetary Deficit  
2. Fiscal Deficit  
3. Primary Deficit  
4. Revenue Deficit
Q.13 Which of the following Indian film-makers was given the title of 'Ambassador of Interlaken' in 2011 at Switzerland?

Ans
1. Yash Johar
2. Raj Kapoor
3. Subhash Ghai
4. Yash Chopra

Q.14 The term 'Dolphin Kick' is associated with which sport?

Ans
1. Football
2. Rugby
3. Swimming
4. Cricket

Q.15 Which article of the Constitution of India provides that each Indian state will have a governor?

Ans
1. Article 152
2. Article 153
3. Article 151
4. Article 154

Q.16 Which Indian batsman was the first to hit six consecutive sixes in first-class cricket?

Ans
1. Ravi Shastri
2. Sunil Gavaskar
3. Virat Kohli
4. Sachin Tendulkar

Q.17 In the year _________, the Maratha Empire ceased to exist with the surrender of the Marathas to the British, ending the Third Anglo-Maratha War.

Ans
1. 1792
2. 1811
3. 1818
4. 1806
Q.18 What is the distinctive characteristic of 'marsupials'?

Ans

- 1. They lay eggs
- 2. They hibernate in winter
- 3. They carry young ones in pouches
- 4. They migrate from one place to another

Question ID: 98958014505
Status: Answered

Q.19 Which of the following countries is the largest producer of wheat in the world?

Ans

- 1. Bangladesh
- 2. Myanmar (Burma)
- 3. India
- 4. China

Question ID: 98958014508
Status: Answered

Q.20 To which of the following Indian states does the tribe of 'Nyishi' belong?

Ans

- 1. Tamil Nadu
- 2. Bihar
- 3. Arunachal Pradesh
- 4. Chhattisgarh

Question ID: 98958014500
Status: Not Answered

Q.21 Rajat has hypermetropia. What type of lens will the ophthalmologist recommend to correct his vision?

Ans

- 1. Bifocal
- 2. Concave
- 3. Progressive
- 4. Convex

Question ID: 98958014503
Status: Answered

Q.22 _____ has been established as the annual 'International Day of Happiness'.

Ans

- 1. 20th March
- 2. 31st March
- 3. 15th January
- 4. 23rd February

Question ID: 98958014523
Status: Not Answered

Q.23 What was India's rank among 156 countries in the Global Happiness Index 2019?
Q.24 Which state of India has the longest mainland coastline?

Ans
1. Gujarat
2. Odisha
3. Kerala
4. Maharashtra

Q.25 During World War II, the Battles of Kohima and Imphal were fought in the year _____.

Ans
1. 1945
2. 1943
3. 1942
4. 1944

Section: Quantitative Aptitude

Q.1 In $\triangle ABC$, $P$ is a point on $BC$ such that $BP:PC = 2:3$ and $Q$ is the midpoint of $BP$. Then $\frac{\text{area}(\triangle BQC)}{\text{area}(\triangle ABC)}$ is equal to:

Ans
1. 2 : 5
2. 1 : 5
3. 1 : 4
4. 2 : 3

Q.2 Two articles are sold for ₹4,956 each. On one, the seller gains 18% and on the other he loses 16%. What is his overall gain or loss percent to nearest one decimal place??

Ans
1. 2.1% loss
2. 1.9% loss
3. 2.1% gain
4. 1.9% gain

Q.3 What is the value of $x$ so that the seven digit number 91876$x$2 is divisible by 72?
Q.4 If \( a : b = 2 : 3 \), then \( \frac{5a - 2b}{5a + 2b} \) is equal to:

Ans

\[ \begin{align*}
&1. \; 3 : 7 \\
&2. \; 2 : 7 \\
&3. \; 1 : 3 \\
&\checkmark \; 4. \; 1 : 4
\end{align*} \]

Q.5 If \( \cos \theta = \frac{4}{5} \), then \( \sin^2 \theta \cos \theta + \cos^2 \theta \sin \theta \) is equal to:

Ans

\[ \begin{align*}
&1. \; \frac{16}{25} \\
&\checkmark \; 2. \; \frac{84}{125} \\
&3. \; \frac{14}{25} \\
&4. \; \frac{82}{125}
\end{align*} \]

Q.6 The following table shows the percentage distribution of students in various disciplines from five different colleges.

<table>
<thead>
<tr>
<th>Discipline</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science</td>
<td>10</td>
<td>12</td>
<td>15</td>
<td>18</td>
<td>20</td>
</tr>
<tr>
<td>Commerce</td>
<td>20</td>
<td>25</td>
<td>30</td>
<td>35</td>
<td>40</td>
</tr>
<tr>
<td>Mathematics</td>
<td>15</td>
<td>17</td>
<td>19</td>
<td>21</td>
<td>23</td>
</tr>
<tr>
<td>Engineering</td>
<td>25</td>
<td>30</td>
<td>35</td>
<td>40</td>
<td>45</td>
</tr>
<tr>
<td>Others</td>
<td>30</td>
<td>35</td>
<td>40</td>
<td>45</td>
<td>50</td>
</tr>
</tbody>
</table>

What is the percentage of students from the discipline of Mathematics for colleges A and C taken together, (assumed to our decimal place)?

Ans

\[ \begin{align*}
&1. \; 37.5 \\
&2. \; 37.2 \\
&3. \; 36.9 \\
&\checkmark \; 4. \; 36.7
\end{align*} \]

Q.7 If \( (a + b) = 6 \) and \( ab = 8 \), then \( (a^3 + b^3) \) is equal to:

Ans

\[ \begin{align*}
&1. \; 216
\end{align*} \]
2. 108
3. 144
√4. 72

Q.8 \( \triangle ABC \sim \triangle PQR \) and \( PQ = 10 \) cm, \( QR = 12 \) cm and \( RP = 16 \) cm. If \( \frac{\text{ar}(\triangle PQR)}{\text{ar}(\triangle ABC)} = \frac{9}{4} \), then \( BC \) is equal to:

Ans
√1. \( \frac{20}{3} \) cm
2. \( \frac{22}{3} \) cm
3. 6 cm
4. 8 cm

Q.9 A is 50% more efficient than B and C is 40% less efficient than B. Working together, they can complete a task in 20 days. In how many days will C alone complete 50% of that task?

Ans
√1. 31
2. 33
3. 35
4. 29

Q.10 Chords \( AB \) and \( CD \) of a circle intersect at a point \( P \) inside the circle. If \( AB = 10 \) cm, \( AP = 4 \) cm and \( PC = 5 \) cm, then \( CD \) is equal to:

Ans
×1. 4.8 cm
2. 6.8 cm
√3. 9.8 cm
4. 7.8 cm

Q.11 A train without stoppage travels with an average speed of 80 km/h and with stoppage, it travels with an average speed of 64 km/h. For how many minutes does the train stop on an average per hour?

Ans
√1. 12
2. 8
3. 10
4. 14

Q.12 The price of sugar is increased by 17%. A person wants to increase his expenditure by 7% only. By what percentage, correct to one decimal place, should he reduce his consumption?

Ans
×1. 8.1%
Q.13 An article is sold for ₹47.40 after successive discounts of 30% and 15%. What is the marked price of the article?

Ans

1. ₹920
2. ₹960
3. ₹900
4. ₹940

---

Q.14 The value of:

$$3.8 + (8.2 ÷ 4.1 \times 2) - 4 \times 3 ÷ 1.2$$

Ans

1. 2.2
2. -1.2
3. 1.2
4. -2.2

---

Q.15 The difference between the compound interest and simple interest on ₹1 at 12% per annum for 2 years is ₹43.20. What is the value of x?

Ans

1. 2,400
2. 2,800
3. 3,000
4. 2,500

---

Q.16 The following table shows the percentage distribution of students in various disciplines from five different colleges.

<table>
<thead>
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<td>30</td>
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</tr>
<tr>
<td>Economics</td>
<td>35</td>
<td>20</td>
<td>30</td>
<td>45</td>
<td>25</td>
</tr>
<tr>
<td>Mathematics</td>
<td>40</td>
<td>25</td>
<td>35</td>
<td>30</td>
<td>40</td>
</tr>
</tbody>
</table>

| Total Students | 1,000 | 1,500 | 1,500 | 900 | 1,100 |

What is the average number of students from the science discipline of all the colleges taken together?

Ans

1. 3762
2. 3748
3. 3724
4. 3642
Q.17 If \( a + b + c = 6 \) and \( ab + bc + ca = 5 \), then \( a^3 + b^3 + c^3 - 3abc \) is equal to:

Ans

1. 116
2. 126
3. 98
4. 108

Q.18 The value of \( \frac{\sin 44^\circ}{\cos 6^\circ} + \sin^2 60^\circ - \cos^2 45^\circ + \sec 60^\circ \) is equal to:

Ans

1. 13
2. 11
3. 11
4. 7

Q.19 In a class of 60 students, 40% are girls. The average weight of the boys is 62 kg and that of the girls is 55 kg. What is the average weight of the whole class?

Ans

1. 59.2 kg
2. 58.8 kg
3. 59 kg
4. 58.6 kg

Q.20 In a circle with centre O, AB is a diameter and CD is a chord such that ABCD is a trapezium. If \( \angle BAC = 35^\circ \), then \( \angle CAD \) is equal to:

Ans

1. 34°
2. 28°
3. 62°
4. 32°
The following table shows the percentage distribution of students in various disciplines from five different colleges.

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<td>15</td>
<td>20</td>
</tr>
<tr>
<td>Education</td>
<td>35</td>
<td>50</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

The number of students from the discipline of Economics from college B is approximately what percentage of the number of students from the discipline of Science from the college C?

Ans

1. 61
2. 59
3. 56
4. 58

Q.22

If $\sqrt{x} + \frac{1}{\sqrt{x}} = 2\sqrt{2}$, then $x^2 + \frac{1}{x^2}$ is equal to:

Ans

1. 34
2. 64
3. 36
4. 32

Q.23

The radii of the two circular faces of the frustum of a cone of height 21 cm are 5 cm and 3 cm. What is its volume in cm$^3$ $(\pi = \frac{22}{7})$?

Ans

1. 1078
2. 1020
3. 1058
4. 1025

Q.24

If $\tan 4\theta = \cot(40^\circ - 2\theta)$, then $\theta$ is equal to:

Ans

1. 20°
2. 25°
3. 35°
4. 30°

Q.25

The following table shows the percentage distribution of students in various disciplines from five different colleges.

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<td>100</td>
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<td>100</td>
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</tr>
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</table>

If the data of the total students' college wise, is represented by a pie-chart, what is the central angle of the sector representing college E (to nearest whole number)?
Q.1 Select the correctly spelt word.

Ans
1. propotion
2. proportion
3. preportion
4. proporsion

Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

I have not saw him since I last leave the town.

Ans
1. No improvement
2. seen him for I last left
3. see him since I last left
4. seen him since I last left

Q.3 Select the correct passive form of the given sentence.

Credit cards are replacing cash transactions.

Ans
1. Cash transactions had been replaced by credit cards.
2. Cash transactions have been replaced by credit cards.
3. Cash transactions are being replaced by credit cards.
4. Cash transactions are replaced by credit cards.

Q.4 Select the most appropriate synonym of the given word.

RENEW

Ans
1. obscurity
2. fame
3. wisdom
4. conceit
Q.5 Select the most appropriate option to fill in the blank.

I sat ______ my life as nothing seemed to be working for me.

Ans

1. blessing
2. cursing
3. tormenting
4. invoking

Q.6 Select the word which means the same as the group of words given.

A state of perfect balance

Ans

1. equinox
2. equivalent
3. equilibrium
4. equilateral

Q.7 Given below are four jumbled sentences. Select the option that gives their correct order.

A. Lyrics help in creating a distinctive narrative, some conventions of which have been
carried over from the talkies era.
B. Thus, songs have outlived films in people's memories.
C. However, songs seem to have acquired a musical grammar of their own,
establishing an emotional chord with the listeners.
D. In popular Indian cinema, lyrics are to music what the heart is to the body.

Ans

1. ABCD
2. DCBA
3. DACB
4. ADBC

Q.8 Given below are four jumbled sentences. Select the option that gives their correct order.

A. So, I had thoughts of setting up an Indian restaurant there with my wife's support.
B. It took us two months to redesign the place to suit our needs.
C. One of the things I really missed when I set up home in Maryland, was a restaurant
that served authentic Indian food.
D. I decided to pursue this idea seriously and bought an old building in the downtown.

Ans

1. BCDA
2. CADB
3. CBAD
4. DACB
Q.9 In the sentence identify the segment which contains the grammatical error.
Not complying by any of the laws can land you into serious trouble.
Ans
1. Not complying by
2. any of the laws
3. into serious trouble
4. can land you

Q.10 In the sentence identify the segment which contains the grammatical error.
Raja Ravi Varma was one of the first artist who tried to create a style that was both modern and traditional.
Ans
1. Raja Ravi Varma was
2. both modern and traditional.
3. to create a style that was
4. one of the first artist

Q.11 Select the most appropriate meaning of the underlined idiom in the given sentence.
Many people join politics to feather their own nest.
Ans
1. make others' life comfortable
2. promote their own interest
3. utilize black money
4. serve their country

Q.12 Select the most appropriate option to fill in the blank.
The roads at 15000 feet are not easily navigable and the air is ______ and freezing.
Ans
1. rarefied
2. intensified
3. elevated
4. exalted

Q.13 Select the most appropriate meaning of the underlined idiom in the given sentence.
The man heaved a sigh of relief when he was sure he was out of the woods.
Ans
1. discharged from hospital
2. released from prison
3. out of danger
4. out of the forest
Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

English is not a language that (1)_____ in India. But it is used extensively in (2)_____ country. India comes second on the list of countries (3)_____ most English speakers, albeit not as the first language. English is more (4)_____ than any single Indian language! It has managed to (5)_____ the entire world.

SubQuestion No : 14
Q.14 Select the most appropriate option to fill in blank No.(1)
Ans

1. developed
2. originated
3. created
4. derived

SubQuestion No : 15
Q.15 Select the most appropriate option to fill in blank No.(2)
Ans

1. a
2. the
3. one
4. an

SubQuestion No : 16
Q.16 Select the most appropriate option to fill in blank No.(3)
Ans

1. among
2. with
3. by
4. from
English is not a language that (1) comprehensive in India. But it is used extensively in (2) prevalent country. India comes second on the list of countries (3) frequented most English speakers, albeit not as the first language. English is more (4) extended than any single Indian language! It has managed to (5) pervade the entire world.

Q.17 Select the most appropriate option to fill in blank No.(4)
Ans

1. comprehensive
2. prevalent
3. frequented
4. extended

---

Q.18 Select the most appropriate option to fill in blank No.(5)
Ans

1. saturate
2. invade
3. persuade
4. pervade

---

Q.19 Select the most appropriate antonym of the given word.
FOREIGN
Ans

1. rustic
2. rural
3. Indian
4. native

---

Q.20 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.
Ishwarchand Vidyasagar use the ancient text to suggestion that widows could remarry.
Ans

1. used the ancient texts to suggest
2. use the ancient texts for suggestion
3. used the ancient texts suggests
4. No improvement
Q.21 Select the correctly spelt word.

**Ans**

1. exilarate
2. exhilarate
3. exilerate
4. exhilarate

Q.22 Select the correct active form of the given sentence.

We were given very little time to prepare the presentation.

**Ans**

1. They have given us very little time to prepare the presentation.
2. They gave us very little time to prepare the presentation.
3. They will give us very little time to prepare the presentation.
4. They give us very little time to prepare the presentation.

Q.23 Select the most appropriate antonym of the given word.

**Ascend**

**Ans**

1. descent
2. depression
3. decent
4. distant

Q.24 Select the most appropriate synonym of the given word.

**Devout**

**Ans**

1. revered
2. loyal
3. pious
4. respectable

Q.25 Select the word which means the same as the group of words given.

One who walks in sleep

**Ans**

1. omnipotent
2. somnambulist
3. philanthropist
4. pedestrian

Question ID: 98958012819
Status: Answered
Chosen Option: 2
Section: General Intelligence and Reasoning

Q.1 Select the figure that will come next in the following figure series.

Ans

1. 

2. 

3. 

4. 

Q.2 In the given Venn diagram, the pentagon represents ‘Cricketers’, the square represents ‘Chess players’ and the circle represents ‘Clerks’. The numbers given in the diagram represent the number of persons in that particular category.

How many cricketers are chess players but NOT clerks?

Ans

1. 22

2. 34

3. 40

4. 36
Q.3 Which two signs should be interchanged to make the following equation correct?

24 ÷ 12 − 6 × 6 ÷ 2 = 18

Ans

1. + and − ✓
2. + and × ✗
3. + and − ✗
4. × and + ✓

Q.4 In a code language, INFORMATIVE is written as ROFNILEVITA. How will SUPERFICIAL be written as in that language?

Ans

1. USEPRFICAIL ✗
2. REPUSGLAIICI ✗
3. LAICIGREPUS ✗
4. REPUSELAICI ✓

Q.5 Select the option that is related to the third number in the same way as the second number is related to the first number.

7 : 344 :: 11 : ?

Ans

1. 121 ✗
2. 1331 ✗
3. 122 ✗
4. 1332 ✓

Q.6 Which letter-cluster will replace the question mark (?) in the following series?

PRT, TVX, ?, BDF, FHJ

Ans

1. XZC ✗
2. XAB ✗
3. XZB ✓
4. YZB ✗
Q.7  How many triangles are there in the following figure?

![Diagram of triangles]

Ans
1. 30
2. 28
3. 26
4. 24

Question ID: 98958013943
Status: Answered
Chosen Option: 2

Q.8  Select the figure in which the given figure is embedded.
(rotation is not allowed).

![Diagram of the given figure and options]

Ans
1. 
2. 
3. 
4. 

Question ID: 98958013945
Status: Answered
Q.9 Select the missing number from the given options.

8. 27 ?
7. 2 3
9. 5 7

Ans
X 1. 16
√ 2. 64
X 3. 36
X 4. 25

Q.10 Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
All postcards are envelopes.
No envelope is a paper.

Conclusions:
I. Some envelopes are postcards.
II. No paper is an envelope.
III. No postcard is a paper.

Ans
X 1. Only conclusions I and III follow.
X 2. Only conclusions I and II follow
X 3. Only conclusions II and III follow
√ 4. All the conclusions I, II and III, follow

Q.11 Which letter will replace the question mark (?) in the following series?


Ans
X 1. X
√ 2. Y
X 3. W
X 4. Z

Q.12

Question ID: 98958013934
Status: Answered
Chosen Option: 4
Arrange the following words in a logical and meaningful order.

1. Hunger
2. Cry
3. Feeding
4. Child
5. Sleep
6. Mother

Ans
1. 4, 5, 2, 6, 3, 1
2. 4, 1, 3, 6, 5, 2
3. 4, 1, 2, 6, 3, 5
4. 4, 1, 2, 3, 5, 6

Q.13 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans
1. BDGKP
2. OQTXC
3. JLKRW
4. SUXBG

Q.14 ‘A + B’ means ‘A is the brother of B’.
‘A – B’ means ‘A is the wife of B’.
‘A × B’ means ‘A is the daughter of B’.
‘A ÷ B’ means ‘A is the father of B’.
If P + S × Q – R + V = U, then how is T related to P?

Ans
1. Paternal grandmother
2. Maternal grandmother
3. Maternal grandfather
4. Paternal grandfather

Q.15 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.
Q.16 The sum of the current ages of Anna and her grandfather is 80 years. 10 years from now, Anna's age will be one-fourth of her grandfather's age. What is Anna’s current age?

Ans

1. 16 years

2. 12 years

3. 20 years

4. 10 years

Question ID: 98958013947
Status: Answered
Chosen Option: 3

Q.17 Select the missing number from the given options.

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<tbody>
<tr>
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<td>12</td>
<td>17</td>
<td>4</td>
</tr>
<tr>
<td>20</td>
<td>24</td>
<td>8</td>
</tr>
</tbody>
</table>

Ans

1. 16

2. 12

3. 36

4. 25

Question ID: 98958013941
Status: Answered
Chosen Option: 3
Q.18 Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Dermatology : Skin

Ans  
1. Cardiology : Angiography  
2. Paediatrics : Lungs  
3. Orthopaedics : Bones  
4. Medicine : Treatment

Q.19 Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

Ans  
1.  
2.  
3.  
4.  

Q.20 'Valuable' is related to 'Precious' in the same way as 'Dry' is related to ‘_____’.

Ans  
1. Farm
Q.21 Three of the following four number-pairs are alike in a certain way and one is different. Pick the number-pair that is different from the rest.

Ans

1. 13 : 171
2. 7 : 51
3. 8 : 66
4. 10 : 98

Question ID: 98958013928
Status: Answered
Chosen Option: 2

Q.22 Which number will replace the question mark (?) in the following series?

118, 129, 141, 154, 168, ?

Ans

1. 184
2. 182
3. 181
4. 183

Question ID: 98958013935
Status: Answered
Chosen Option: 4

Q.23 Three different positions of the same dice are shown. Which symbol will be on the face opposite to the one having ‘&’?

Ans

1. #
2. +
3. $
4. ^

Question ID: 98958013944
Status: Answered
Chosen Option: 4

Q.24 In a code language, ARDOUS is written as 1184152119. How will SYSTEM be written as in that language?

Ans

1. 19251920513
2. 19251920514
3. 19251921513

Question ID: 98958013937
Status: Answered
Chosen Option: 4

Question ID: 98958013944
Status: Answered
Chosen Option: 1
Q.1 Who is the first Indian national to win the 'Sri Lanka Rathna' award?

Ans

1. Dileep Padgaonkar
2. Vinod Mehta
3. Khushwant Singh
4. Narasimhan Ram

Q.2 Who presides over the joint sitting of the Lok Sabha and the Rajya Sabha?

Ans

1. Speaker of Lok Sabha
2. Deputy Speaker of Lok Sabha
3. Prime Minister
4. Vice President

Q.3 Who is the author of the book 'Freedom from Fear: And Other Writings'?

Ans

1. Aung San Suu Kyi
2. Barak Obama
3. A P J Abdul Kalam
4. Nelson Mandela

Q.4 Which instrument is used to measure blood pressure?

Section: General Awareness
Ans
1. Lactometer
2. Thermometer
3. Sphygmomanometer
4. Glucometer

Q.5 The term _____ is prefixed to scientific terms to describe something that is constant.

Ans
1. Photo
2. Mega
3. Iso
4. Quasi

Q.6 जामदानी कुनाई की पारंपरिक कला की शुरुआत कहां से हुई?

Ans
1. चीन
2. बांग्लादेश
3. नेपाल
4. म्यांमार (बर्मा)

Q.7 In which year was the University Grants Commission (UGC) formally established?

Ans
1. 1947
2. 1956
3. 1964
4. 1950

Q.8 When was Indian Super League started?

Ans
1. 2013
2. 2014
3. 2015
4. 2012
Q.9 Under which article of the Constitution of India can members of the Anglo Indian community be nominated to the Lok Sabha by the President?

Ans

1. 326

2. 330

3. 342

4. 331

Question ID: 98958014542
Status: Answered
Chosen Option: 1

Q.10 Burma became independent sovereign republic in the year _____.

Ans

1. 1946

2. 1948

3. 1950

4. 1962

Question ID: 98958014539
Status: Not Answered
Chosen Option: --

Q.11 The river Ganga emerges from Gangotri Glacier and ends at ______.

Ans

1. Pacific Ocean

2. Bay of Bengal

3. Indian Ocean

4. Arabian Sea

Question ID: 98958014535
Status: Answered
Chosen Option: 2

Q.12 Which of the followings is the national bird of China?

Ans

1. Parrot

2. Barn Owl

3. Red-crowned Crane

4. Robin

Question ID: 98958014524
Status: Answered
Chosen Option: 3

Q.13 Dolly, the first cloned living being created at Roslin Institute in Scotland was a _____.

Ans

1. cat

2. dog

3. sheep

4. cow

Question ID: 98958014532
Q.14 UN's Economic and Social Council (ECOSOC) elected ________ to the 18-member committee ‘CESCR’ for the Asia Pacific seat in 2018.

Ans  
1. Preeti Saran  
2. Shashi Tharoor  
3. Chandrashekhar Dasgupta  
4. Arundhati Ghosh

Q.15 When the fiscal deficit is high, what happens to prices?

Ans  
1. Prices decrease  
2. There is no direct impact on prices  
3. Prices remain stable  
4. Prices increase

Q.16 What is the chemical name of the deadly poison ‘cyanide’?

Ans  
1. Sulfuric acid  
2. Hydrochloric acid  
3. Nitric acid  
4. Prussic acid

Q.17 The term ‘Blood Moon’ is used to refer to _______.

Ans  
1. Solar Eclipse  
2. Crescent Moon  
3. Lunar Eclipse  
4. Full Moon

Q.18 Mitra Mela was a revolutionary organisation founded by Veer Savarkar in the year _______.

Ans  
1. 1856  
2. 1864  
3. 1873
Q.19 How many International airports are there in India?

Ans

1. 15
2. 17
3. 16
4. 14

Q.20 Which country in the world has the largest number of international borders?

Ans

1. India
2. Pakistan
3. Nepal
4. China

Q.21 What is the value of all tangible resources such as raw materials and labour that are used in the production process called?

Ans

1. Real Cost
2. Variable Cost
3. Opportunity Cost
4. Fixed Cost

Q.22 Who among the following was given the title ‘Quaid-i-Azam’?

Ans

1. Jawaharlal Nehru
2. Sardar Vallabhbhai Patel
3. Mahatma Gandhi
4. Muhammad Ali Jinnah

Q.23 In which year did the Indian Premier League (IPL) start?

Ans

1. 2010
Q.24 Catriona Gray of _____ was crowned Miss Universe in 2018.
Ans
1. Spain  
2. Venezuela  
3. Brazil  
4. Philippines

Q.25 Who among the following became the fastest Asian to cycle around the globe in 2018?
Ans
1. Disha Srivastava  
2. Deena Prince  
3. Vedangi Kulkarni  
4. Swati Sani

Section: Quantitative Aptitude

Q.1 In a circle with centre O, an arc \( ABC \) subtends an angle of 132° at the centre of the circle. Chord AB is produced to point P. Then \( \angle CBP \) is equal to:
Ans
1. 48°  
2. 68°  
3. 66°  
4. 76°

Q.2 The value of \( \sin^2 20° + \sin^2 70° - \tan^2 45° + \sec 60° \) is equal to:
Ans
1. 1  
2. 2  
3. 2.5  
4. 3
Q.3

If $\sqrt{x} - \frac{1}{\sqrt{x}} = 2\sqrt{2}$, then $x^2 + \frac{1}{x^2}$ is equal to:

- 1. 102
- 2. 98
- 3. 104
- 4. 100

Chosen Option : 2

Question ID : 98958013536
Status : Answered

Q.4

Walking at $\frac{2}{3}$ of his usual speed, a person reaches his office 18 minutes late than the usual time. His usual time in minutes is:

- 1. 60
- 2. 54
- 3. 72
- 4. 45

Chosen Option : 2

Question ID : 98958013533
Status : Answered

Q.5

Two candidates are contesting an election. Candidate A gets 4880 votes, which is 22% of the total votes. Candidate B gets 20% of the total votes. What is the total number of votes?

Chosen Option : 3.6% लाभ

Question ID : 98958013529
Status : Answered

Q.6

Table shows the production of rice (in million tonnes) of three states over six years.

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What is the ratio of the production of rice in all three states in the year 2014 to that in 2016?

- 1. 85 : 102
- 2. 89 : 100
- 3. 85 : 103
- 4. 87 : 100

Chosen Option : 4. 87 : 100

Question ID : 98958013546
Q.7  तालिका में दिए गए वर्षों में तीन राज्यों के भाग के उत्पादन (विक्रयवार) को दर्शाया गया है।

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यदि सभी छ वर्षों में तीनों राज्यों के कुल उत्पादन के ऑक्टेड (पाई-पाई) के रूप में दर्शाया जाए, तो क्या 2014 को दर्शाने वाले विक्रयवार (ऑक्टेड) का कैल्क्यल कैसा होगा? (विक्रयवार पूर्व संयुक्त में)

Ans 1. 61°  
2. 65°  
3. 63°  
4. 59°

Q.8  Table shows the production of rice (in million tonnes) of three states over six years.

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</table>

What is the average production of rice in state A over the years (in million tonnes)?

Ans 1. 6  
2. 6.1  
3. 5.8  
4. 5.9

Q.9  The radii of two circular bases of the frustum of a cone of height 10.5 cm are 5 cm and 3 cm respectively. What is its volume in cm³ (π = 22/7)?

Ans 1. 552  
2. 539  
3. 545  
4. 564

Q.10  In a circle of radius 13 cm, a chord is at a distance of 5 cm from its centre. What is the length of the chord?

Ans 1. 18 cm
1. 20 cm
2. 12 cm
3. 24 cm

**Question ID:** 98958013538
**Status:** Answered
**Chosen Option:** 4

Q.11
In \(\triangle ABC\), P is a point on BC such that BP : PC = 3 : 4 and Q is the midpoint of BP. Then \(\text{ar}(\triangle BQ) : \text{ar}(\triangle BC)\) is equal to:

**Ans**
1. 1 : 4
2. 2 : 7
3. 3 : 8
4. 3 : 14

**Question ID:** 98958013540
**Status:** Answered
**Chosen Option:** 4

Q.12
If \(3\sin \theta = 4\cos \theta\), then \(\tan^2 \theta + \sin \theta - \cos \theta\) is equal to:

**Ans**
1. \(\frac{88}{45}\)
2. 2
3. \(\frac{89}{45}\)
4. \(\frac{17}{9}\)

**Question ID:** 98958013543
**Status:** Answered
**Chosen Option:** 3

Q.13
The price of sugar is increased by 34%. A person wants to increase his expenditure by 15% only. By what percentage, correct to one decimal place, should he reduce his consumption?

**Ans**
1. 7.3
2. 7.1
3. 6.9
4. 7.5

**Question ID:** 98958013528
**Status:** Answered
**Chosen Option:** 1

Q.14
If \(a : b = 2 : 3\), then \((5a + 3b) : (6a - 2b)\) is equal to:

**Ans**
1. 19 : 6
2. 3 : 2
3. 17 : 5

**Question ID:** 98958013540
**Status:** Answered
**Chosen Option:** 4

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Q.15 If cosecθ = sec(20° + 2θ), then θ is equal to:

AnS

1. 30°
2. 20°
3. 15°
4. 14°

Q.16 If a + b + c = 6 and a^2 + b^2 + c^2 - 3abc = 126, then ab + bc + ca is equal to:

AnS

1. 5
2. 6
3. 12
4. 8

Q.17 \( \triangle ABC \sim \triangle PQR \) and PQ=10cm, QR=12cm and RP=18cm. If \( \text{area} \triangle ABC : \text{area} \triangle PQR = \frac{1}{2} \), then AB is equal to:

AnS

1. 8cm
2. 12cm
3. 9cm
4. \( \frac{20}{3} \) cm

Q.18 If \( a + b = 5 \) and \( ab = 3 \), then \( (a^3 + b^3) \) is equal to:

AnS

1. 75
2. 80
3. 70
4. 65
The difference between compound interest and simple interest on ₹x at 8% per annum for 2 years is ₹48. What is the value of x?

**Q.20** The efficiencies of A, B and C are in the ratio of 2 : 3 : 5. Working together, they can complete a task in 6 days. In how many days will A alone complete 20% of that task?

**Q.21** Table shows the production of rice (in million tonnes) of three states over six years.

<table>
<thead>
<tr>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>5.2</td>
<td>5.4</td>
<td>5.8</td>
<td>6.2</td>
<td>6.5</td>
<td>6.9</td>
</tr>
<tr>
<td>B</td>
<td>3.8</td>
<td>4.1</td>
<td>4.4</td>
<td>4.8</td>
<td>5.2</td>
<td>5.7</td>
</tr>
<tr>
<td>C</td>
<td>4.5</td>
<td>5.2</td>
<td>5.8</td>
<td>6.4</td>
<td>6.7</td>
<td>7.4</td>
</tr>
</tbody>
</table>

What is the percentage increase in the production of rice in B from 2014 to 2016?

**Q.22** What is the value of x so that the seven digit number 6913x08 is divisible by 88?

**Q.23**
In a class of 60 students, 40% are girls. The average weight of the whole class is 59.2 kg and the average weight of the girls is 55 kg. What is the average weight of the boys?

Ans
1. 63 kg
2. 60 kg
3. 61 kg
4. 62 kg

Q.24
The value of:

$$7.5 + (5.4 - 4.5 \times 2) - 8 \times 4 \div 3.2$$

Ans
1. 0.1
2. -0.1
3. -0.2
4. 0.2

Q.25
An article is sold for ₹1612 after successive discounts of 25% and 15%. What is the marked price of the article?

Ans
1. ₹1000
2. ₹940
3. ₹980
4. ₹960

Section: English Comprehension

Q.1
Select the alternative that will improve the underlined part of the sentence in case there is no improvement select “No improvement”.

The flowers smell so sweetly that I want to pluck them.

Ans
1. No improvement
2. will smell so sweet
3. smell so sweet
4. smelling so sweetly

Q.2
Select the most appropriate synonym of the given word
Q.3 Given below are four jumbled sentences. Select the option that gives their correct order.

A. This network of stories is known in academic circles as 'fiction' or 'imagined realities'.
B. However, an imagined reality is not a lie.
C. Over the years, people have woven an incredibly complex network of stories.
D. Within this network fiction not only exists but also accumulates immense power.

Ans 1. CADB
2. DBAC
3. ADBC
4. DBCA

Question ID : 98958012837
Status : Answered
Chosen Option : 1

Q.4 Select the correctly spelt word.

Ans 1. qiete
2. queit
3. quiete
4. quiet

Question ID : 98958012846
Status : Answered
Chosen Option : 4

Q.5 Select the word which means the same as the group of words given.

Incapable of being corrected

Ans 1. incredible
2. inviolable
3. incorrigible
4. impossible

Question ID : 98958012845
Status : Answered
Chosen Option : 3

Q.6 Choose the option that is the passive form of the sentence.

A campus fire in California caused the death of at least twenty-three persons.

Ans

Question ID : 98958012849
Status : Answered
Chosen Option : 3
1. The death of at least twenty three persons caused a campus fire in California.

2. The death of at least twenty three persons was caused by a campus fire in California.

3. The death of at least twenty three persons will be caused in a campus fire in California.

4. At least twenty-three person's death was caused in a campus fire in California.

Q.7 Select the most appropriate option to fill in the blank.

When you want to expand your vocabulary the best thing to do is to relate a known word with an ______ one and guess the meaning from the context.

Ans

1. unnecessary

2. essential

3. unfamiliar

4. unclear

Q.8 Select the most appropriate antonym of the given word.

ABSURD

1. sensitive

2. selfish

3. sensible

4. sentimental

Q.9 Select the most appropriate option to fill in the blank.

In order to ______ to a new place you may need to adjust to the ways of that culture.

Ans

1. adhere

2. adopt

3. avoid

4. adapt

Q.10 Select the most appropriate meaning of the underlined idiom in the given sentence.

Throughout his speech the crowd was all ears.

Ans

1. very attentive
Q.11 Select the most appropriate meaning of the underlined idiom in the given sentence.

Since he secured the first rank Sudhir has become swollen-headed.

Ans  
1. well-connected  
2. unwell  
3. conceited  
4. famous

Q.12 Select the most appropriate option to fill in blank No.(1)

Ans  
1. summer  
2. annual  
3. decade  
4. festival

Q.13 Select the most appropriate option to fill in blank No.(2)

Ans  
1. way  
2. access  
3. entry  
4. approach
Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Although a wild elephant, Chinna Thambi did not grow up entirely in the wild. For over the last (1) ______ he has had easy (2)______ to food at Thadagam, a village surrounded by the Western Ghats near Coimbatore. Brick (3) ______ tempted him with (4)______ of water and he loved the palm pith that was used as (5)______ for baking bricks.

SubQuestion No : 14
Q.14 Select the most appropriate option to fill in blank No.(3)
Ans  
1. tub  
2. kilns  
3. jar  
4. store

SubQuestion No : 15
Q.15 Select the most appropriate option to fill in blank No.(4)
Ans  
1. plenty  
2. much  
3. load  
4. many

SubQuestion No : 16
Q.16 Select the most appropriate option to fill in blank No.(5)
Ans  
1. fodder  
2. logs  
3. matter
Q.17 Choose the option that is the active form of the sentence.

It was decided by the members that the report would be placed before the Chairman for his comments.

AnS

1. The members decided to place the report before the Chairman for his comments.
2. The Chairman's comments were to be placed on the report of the members.
3. Did the members decide to place the report before the Chairman?
4. The Chairman decided to place the report before the members.

Q.18 Select the most appropriate antonym of the given word.
ACQUIT

AnS

1. evict
2. clear
3. forgive
4. convict

Q.19 Given below are four jumbled sentences. Select the option that gives their correct order.

A. If the mixture becomes too thick add more milk.
B. Finally, add sugar and nuts, and your kheer is ready.
C. Boil milk in a heavy-bottomed pan and add rice.
D. Cook for about twenty minutes stirring every once in a while till the mixture thickens.

AnS

1. BADC
2. CDAB
3. DACB
4. ADCB

Q.20 Select the most appropriate synonym of the given word.

ASSIST

AnS

1. help
2. mend
3. create
Q.21 Select the word which means the same as the group of words given.

That which cannot be heard

Ans

1. slight
2. hidden
3. invisible
4. inaudible

Question ID: 98958012838
Status: Answered
Chosen Option: 4

Q.22 Select the correctly spelt word.

Ans

1. restaurent
2. meazure
3. leisure
4. roberry

Question ID: 98958012844
Status: Answered
Chosen Option: 3

Q.23 Identify the segment in the sentence, which contains the grammatical error.

The reduction in the cost of education due to an increase in subsidies offer by the government is also seen as a reason to get more educated.

Ans

1. The reduction in the cost of education
2. is also seen as a reason
3. offer by the government
4. due to an increase in subsidies

Question ID: 98958012825
Status: Answered
Chosen Option: 4

Q.24 Select the alternative that will improve the underlined part of the sentence in case there is no improvement select “No improvement”

I am very much pleased to see you here today.

Ans

1. No improvement
2. very pleasing
3. too much pleased
4. very pleased

Question ID: 98958012829
Status: Answered
Chosen Option: 4
Q.25 Identify the segment in the sentence, which contains the grammatical error.

"Unless you did not do your homework you will be punished," said the teacher.

<table>
<thead>
<tr>
<th>Ans</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>✗ 1. said the teacher.</td>
<td></td>
</tr>
<tr>
<td>✗ 2. do your homework</td>
<td></td>
</tr>
<tr>
<td>✗ 3. you will be punished</td>
<td></td>
</tr>
<tr>
<td>✓ 4. Unless you did not</td>
<td></td>
</tr>
</tbody>
</table>

Question ID: 98958012824
Status: Answered
Chosen Option: 4
Q.1 Select the figure in which the given figure is embedded. (Rotation is not allowed).

Ans

1. 

2. 

3. 

4. 

Question ID: 98958013970
Status: Answered
Chosen Option: 1

Q.2 Three of the following four number-pairs are alike in a certain way and one is different. Pick the number-pair that is different from the rest.

Ans

1. 4 : 65
2. 1 : 2
3. 3 : 27
4. 2 : 9

Question ID: 98958013962
Status: Answered
Chosen Option: 3
‘A + B’ means ‘A is the wife of B’.
‘A – B’ means ‘A is the husband of B’.
‘A × B’ means ‘A is the son of B’.
‘A ÷ B’ means ‘A is the mother of B’.

If T + Q × P – U + R ÷ S + V, then how is R related to Q?

1. Daughter
2. Maternal grandmother
3. Sister
4. Mother

Q.4 Which number will replace the question mark (?) in the following series?

102, 110, 126, 150, 182, ?

1. 246
2. 214
3. 220
4. 222

Q.5 Select the figure that will come next in the following figure series.

Ans

1. 2.
2. 3.
3. 4.

Q.6
Arrange the following words in a logical and meaningful order:

1. Ploughing up the field
2. Bread making
3. Production of wheat
4. Wheat grinding
5. Sowing the seeds
6. Dough making

Ans

1. 1, 5, 3, 4, 6, 2
2. 2, 5, 3, 4, 1, 6
3. 1, 5, 3, 6, 4, 2
4. 4, 5, 2, 6, 1, 3

Q.7 Which letter will replace the question mark (?) in the following series?

D, J, ?, S, V, X

Ans

1. O
2. M
3. P
4. Q

Q.8 Which letter-cluster will replace the question mark (?) in the following series?

SWA, OAW, KES, ?, CMK

Ans

1. GIO
2. GHO
3. FIP
4. FIO

Q.9 In a code language, CLIMAX is written as 312913124. How will RESIGN be written as in that language?

Ans

1. 185199714
2. 185198614
3. 195209714
4. 185199713

Q.10 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.
Q.11 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans

1. ZXUQL
2. XLHDC
3. SQNJE
4. PNKGB

Question ID: 98958013951
Status: Marked For Review
Chosen Option: 2

Q.12 The sum of the current ages of Vinayak and his father is 50 years. 5 years from now, Vinayak’s age will be one-fifth of his father’s age. What is Vinayak’s current age?

Ans

1. 15 years
2. 5 years
3. 8 years
4. 10 years

Question ID: 98958013966
Status: Answered
Chosen Option: 2

Q.13 Two statements are given, followed by three conclusions labelled I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
All owls are parrots.
Some parrots are crows.

Conclusions:
I. No owl is a crow.
II. All parrots are owls.
III. Some owls are crows.

Ans

1. All the conclusions, I, II and III, follow
2. Only conclusions II and III follow.
3. Either conclusion I or III follows
4. Either conclusion I or II follows

Question ID: 98958013959
Status: Answered
Chosen Option: 3

Q.14 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.

Ans
Q.15 Select the correct mirror image of the given figure when a vertical mirror is placed on the right of the figure.

Ans

1. 

2. 

3. 

4.
Q.16 In a code language, DISTRIBUTION is written as SIDIRTUINOL. How will ABBREVIATING be written as in that language?

Ans

1. BBAVERIAIGNI
2. VERBBAGNITAI
3. BBAVERTAIGNI
4. BABRVEAIITGN

Q.17 How many triangles are there in the following figure?

Ans

1. 21
2. 23
3. 19
4. 20

Q.18 Select the word-pair in which the two words are related in the same way as the two words in the following word-pair.

Accident : Injury

Ans

1. Infection : Disease
2. Farmer : Hard-work
3. Income : Corruption
4. Police : Fine

Q.19 Which two signs should be interchanged to make the following equation correct?

\[18 + 24 - 6 \times 6 + 3 = 39\]

Ans

1. + and +
2. + and –
3. + and –
4. × and +

Q.20 ‘Similarity’ is related to ‘Difference’ in the same way as ‘Transparent’ is related to ‘______’.

Ans

1. Clear
Q.21 Select the missing number from the given options.

\[
\begin{array}{c}
4 & 3 & 1 \\
5 & 4 & 2 \\
89 & 43 & ?
\end{array}
\]

Ans

1. 8
2. 27
3. 5
4. 36

Q.22 Three different positions of the same dice are shown. Which symbol will be on the face opposite to the one having “+”?

Ans

1. $$
2. !
3. +
4. @

Q.23 Select the option that is related to the third number in the same way as the second number is related to the first number.

\[
3 : 30 :: 4 : ?
\]

Ans

1. 64
2. 66
3. 70
4. 68

Q.24
Select the missing number from the given options.

35  32  51
28  18  37
?  14  47

Ans  
1. 40
2. 41
3. 42
4. 43

Q.25  In the given Venn diagram, the rectangle represents “women”, the pentagon represents “entrepreneurs” and the triangle represents “mothers”. The numbers given in the diagram represent the number of persons in that particular category.

[Diagram]

How many women are entrepreneurs but NOT mothers?

Ans  
1. 21
2. 74
3. 50
4. 46

Q.1  Which Indian author wrote the book “Two Lives”?

Ans  
1. Amitava Ghosh
2. Chetan Bhagat
3. Vikram Seth
4. Amish Tripathi

Q.2  _____ gases trap heat in the atmosphere which makes the Earth warmer, causing global warming.

Ans  
1. Compound
2. Greenhouse
3. Nobel
4. Elemental
Q.3 Who among the following was the first Chinese to receive the Nobel Prize for literature?

Ans

1. Liu Cixin  [X]
2. Gao Xingjian  [X]
3. Mo Yan  [X]
4. Lu Xun  [X]

Question ID: 98958014566
Status: Not Answered
Chosen Option: --

Q.4 Which team won the Indian Premier League 2018?

Ans

1. Royal Challengers Bangalore  [X]
2. Chennai Super Kings  [✓]
3. Delhi Daredevils  [X]
4. Rajasthan Royals  [X]

Question ID: 98958014569
Status: Answered
Chosen Option: 2

Q.5 Bihar Diwas is annually celebrated on _________ to commemorate the day Bihar was carved out from the Bengal Presidency.

Ans

1. 22nd March  [✓]
2. 27th March  [X]
3. 17th March  [X]
4. 13th March  [X]

Question ID: 98958014573
Status: Answered
Chosen Option: 2

Q.6 In March 2019, the Directorate General of Civil Aviation (DGCA) of India grounded which aircraft due to technical fault?

Ans

1. Boeing 777 Max 12  [X]
2. Boeing 737 Max 8  [✓]
3. Boeing 787 Max 14  [X]
4. Boeing 747 Max 9  [X]

Question ID: 98958014572
Status: Not Answered
Chosen Option: --

Q.7 Identify the national sport of Sri Lanka.

Ans

1. Swimming  [X]
2. Volleyball  [✓]
3. Cricket  [X]
4. Basketball  [X]

Question ID: 98958014550
Status: Answered
Chosen Option: 2

Q.8 Which human body part can well be called the ‘chemical factory’ of our body?

Ans

1. Swimming
2. Volleyball
3. Cricket
4. Basketball

Question ID: 98958014550
Status: Answered
Chosen Option: 2
Q.9 A marketplace in which a final good or service is bought and sold is called ______.

Ans

1. Equity Market
2. Factor Market
3. Commodity Market
4. Product Market

Question ID: 98958014552
Status: Answered
Chosen Option: 4

Q.10 Opium wars were fought between the British and ______.

Ans

1. China
2. Bhutan
3. Myanmar (Burma)
4. Afghanistan

Question ID: 98958014564
Status: Not Answered
Chosen Option: --

Q.11 Rule _____ (of the Rules of Procedure and Conduct of Business in Lok Sabha) does NOT involve a formal motion before the Parliament House, hence no voting can take place after discussion on matters under this rule.

Ans

1. 158
2. 186
3. 149
4. 193

Question ID: 98958014568
Status: Not Answered
Chosen Option: --

Q.12 Which country won the South Asian Football Federation (SAFF) Women's Championship in 2019?

Ans

1. Bhutan
2. Nepal
3. India
4. Pakistan

Question ID: 98958014571
Status: Answered
Chosen Option: 3

Q.13 Sir Thomas Roe visited the court of Mughal ruler _______ as the ambassador of the King of England.

Ans

1. Humayun
2. Akbar
3. Shah Jahan
4. Babur

Question ID: 98958014557
Status: Answered
Chosen Option: 3
Q.14 Which one of the following is the deepest gorge in the world?

Ans: 1. Kali Gandaki Gorge

Q.15 Both, haemoglobin and myoglobin require ________ for formation.

Ans: 1. Calcium

Q.16 Nitrous Oxide’ is the chemical name of ______.

Ans: 1. Laughing Gas

Q.17 Which of the following is the longest river in Pakistan that originates from Lake Manasarovar?

Ans: 1. Indus

Q.18 A scientific study of rocks that deals with their composition, texture and structure; their occurrence and distribution; and their origin in relation to physicochemical conditions is called ______.

Ans: 1. Geology
3. Geomorphology
4. Petrology

Q.19 British East India Company defeated the Portuguese in the ______.

   Ans
   1. Battle of Chamkaur
   2. Battle of Suvali
   3. Battle of Plassey
   4. Battle of Buxar

Q.20 Which country hosted the 2019 Sultan Azlan Shah Cup hockey tournament?

   Ans
   1. Singapore
   2. India
   3. China
   4. Malaysia

Q.21 How many provinces are there in Sri Lanka?

   Ans
   1. 9
   2. 6
   3. 8
   4. 11

Q.22 In China, 2019 (which starts on 5 February and ends on 24 January) is the year of the ______.

   Ans
   1. Rat
   2. Pig
   3. Dog
   4. Ox

Q.23 A _____ is not constrained by prior work.

   Ans
   1. joint venture
   2. franchise
   3. strategic alliance
   4. greenfield project
Q.24 Tipu Sultan and British East India Company signed the Treaty of Mangalore in the year ______.

Ans

1. 1792
2. 1784
3. 1764
4. 1799

Q.25 In India, which of the following articles of the Constitution of India provides for the formation of a new state?

Ans

1. Article 1
2. Article 3
3. Article 2
4. Article 9

Q.1 If \( a + b + c = 7 \) and \( ab + bc + ca = 1 \), then \( a^3 + b^3 + c^3 - 3abc \) is equal to:

Ans

1. 322
2. 325
3. 412
4. 422

Q.2 \( \sec^2 20^\circ - \cot^2 61^\circ + \sin^2 60^\circ + \cosec^2 30^\circ \) is equal to:

Ans

1. \( \frac{19}{4} \)
2. \( \frac{23}{4} \)
3. \( \frac{15}{4} \)
4. \( \frac{11}{4} \)

Q.3 If cosec \( 4\theta \) = sec \( (60^\circ - 2\theta) \), then \( \theta \) is equal to:
Q.4 The efficiencies of A, B and C are in the ratio 2 : 5 : 3. Working together, they can complete a task in 9 days. In how many days will C alone complete 40% of that task?

Ans

1. 14
2. 16
3. 15
4. 12

Question ID: 98958013557
Status: Answered
Chosen Option: 4

Q.5 This table shows the percentage of students passing out of five different colleges over three years. It is given that from each college, 200 students appeared every year.

<table>
<thead>
<tr>
<th>Years</th>
<th>Colleges</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2015</td>
<td>68</td>
</tr>
<tr>
<td>2016</td>
<td>72</td>
</tr>
<tr>
<td>2017</td>
<td>74</td>
</tr>
</tbody>
</table>

What is the approximate percentage increase in the number of students passing out of college B in the year 2017 as compared to the previous year?

Ans

1. 13.2%
2. 13.4%
3. 12.8%
4. 13%

Question ID: 98958013572
Status: Not Answered
Chosen Option: --

Q.6 What is the value of \( x \) so that the seven-digit number 5656x52 is divisible by 72?

Ans

1. 5
2. 4
3. 7
4. 8

Question ID: 98958013549
Status: Answered
Chosen Option: 2

Q.7 Walking at \( \frac{2}{3} \) of his usual speed, a person reaches his office 20 minutes late than the usual time. His usual time in minutes is:

Ans

1. 25
2. 30
3. 20

Question ID: 98958013547
Status: Answered
Chosen Option: 3
Q. 8 Two articles are sold for Rs 975 each. On one, the seller gains 30% and on the other, he loses 25%. What is the overall gain or loss percentage, correct to one decimal place?

Ans
1. 4.9% loss
2. 5.3% gain
3. 4.9% gain
4. 5.1% loss

Q. 9 If $12 \sin \theta = 5 \cos \theta$, then $\sin \theta + \cos \theta - \cot \theta$ is equal to:

Ans
1. $\frac{139}{156}$
2. $\frac{71}{65}$
3. $\frac{116}{156}$
4. $\frac{16}{65}$

Q. 10 This table shows the percentage of students passing out of five different colleges over three years. It is given that from each college, 200 students appeared every year.

<table>
<thead>
<tr>
<th>Years</th>
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<tbody>
<tr>
<td></td>
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<td>2016</td>
<td>72</td>
</tr>
<tr>
<td>2017</td>
<td>74</td>
</tr>
</tbody>
</table>

In which college the average percentage of passing students over the given three years is the least?

Ans
1. E
2. B
3. F
4. A

Q. 11 The price of sugar is increased by 24%. A person wants to increase his expenditure by 18% only. By approximately what percent should he decrease his consumption?

Ans
1. 4.6%
2. 5.1%
Q.12 \( \Delta ABC \sim \Delta DEF \) and \( \text{ar}(\Delta ABC) : \text{ar}(\Delta DEF) = 4 : 9 \). If \( AB = 6 \) cm, \( BC = 8 \) cm and \( AC = 10 \) cm, then \( DF \) is equal to:

\[
\begin{align*}
1. & \ 18 \text{ cm} \\
2. & \ 9 \text{ cm} \\
3. & \ 15 \text{ cm} \\
4. & \ 12 \text{ cm} 
\end{align*}
\]

Question ID: 98958013555
Status: Answered
Chosen Option: 3

Q.13 In a class of 40 students, 60% are girls. The average of the girls’ marks is 72 and that of the boys is 54. What are the average marks of the whole class?

\[
\begin{align*}
1. & \ 65.4 \\
2. & \ 65 \\
3. & \ 64.8 \\
4. & \ 65.2 
\end{align*}
\]

Question ID: 98958013566
Status: Answered
Chosen Option: 4

Q.14 This table shows the percentage of students passing out of five different colleges over three years. It is given that from each college, 200 students appeared every year.

\[
\begin{array}{c|ccccc}
\text{Years} & \text{Colleges} \\
\hline
 & A & B & C & D & E \\
2015 & 68 & 65 & 80 & 92 & 72 \\
2016 & 72 & 68 & 88 & 95 & 75 \\
2017 & 74 & 77 & 92 & 98 & 73 \\
\end{array}
\]

What is the ratio of the number of students passing to those failing from college E in the year 2015?

\[
\begin{align*}
1. & \ 4 : 3 \\
2. & \ 18 : 7 \\
3. & \ 9 : 5 \\
4. & \ 17 : 7 
\end{align*}
\]

Question ID: 98958013551
Status: Answered
Chosen Option: 3

Q.15 The value of:

\[
108 + 36 \times 4 + 2.5 \times 4 + 0.5 - 10
\]

\[
\begin{align*}
1. & \ 18 \\
2. & \ 16 \\
3. & \ 22 \\
4. & \ 20 
\end{align*}
\]
Q.16 In a circle with centre O, an arc ABC subtends an angle of 140° at the centre of the circle. The chord AB is produced to point P. Then ∠CBP is equal to:

Ans

1. 40°  
2. 70°  
3. 80°  
4. 50°  

Q.17 If a : b = 2 : 5, c : b = 3 : 4, then a : b : c is equal to:

Ans

1. 6 : 15 : 20  
2. 8 : 20 : 15  
3. 2 : 5 : 4  
4. 2 : 5 : 3  

Q.18 In ΔABC, P is a point on BC such the BP : PC = 4 : 3 and Q is the midpoint of BP. Then ar(ΔAPQ) : ar(ΔCPB) is equal to:

Ans

1. 1 : 5  
2. 2 : 7  
3. 3 : 7  
4. 4 : 7  

Q.19 The difference between the compound interest and simple interest on ₹x at 7½% per annum for 2 years is ₹24.50. What is the value of x?

Ans

1. 5,400  
2. 4,800  
3. 5,000  
4. 6,000  

Q.20 An article is sold for ₹612 after successive discounts of 25% and x%. If the marked price of the article is ₹960, what is the value of x?

Ans

1. 10  
2. 12  
3. 14  
4. 15
Q.21 If \( a - b = 5 \) and \( ab = 2 \), then \( a^2 - b^2 \) is equal to:

Ans
- 1. 95
- 2. 155
- 3. 145
- 4. 125

Question ID: 98958013560
Status: Answered
Chosen Option: 4

Q.22 This table shows the percentage of students passing out of five different colleges over three years. It is given that from each college, 200 students appeared every year.

<table>
<thead>
<tr>
<th>Years</th>
<th>Colleges</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td>2015</td>
<td>68</td>
</tr>
<tr>
<td>2016</td>
<td>72</td>
</tr>
<tr>
<td>2017</td>
<td>74</td>
</tr>
</tbody>
</table>

If the number of passed out students of all five colleges is represented by a pie chart, what is the central angle (to nearest whole number) of the sector representing the passed out students of college C?

Ans
- 1. 69°
- 2. 79°
- 3. 77°
- 4. 67°

Question ID: 98958013573
Status: Not Answered
Chosen Option: --

Q.23 If \( \sqrt{x} - \frac{1}{\sqrt{x}} = 3\sqrt{2} \), then \( x^2 + \frac{1}{x^2} \) is equal to:

Ans
- 1. 402
- 2. 324
- 3. 326
- 4. 398

Question ID: 98958013561
Status: Answered
Chosen Option: 4

Q.24 A sphere of radius 4 cm is melted and recast into smaller spheres of radii 2 cm each. How many such spheres can be made?

Ans
- 1. 4
- 2. 8
- 3. 32
- 4. 16

Question ID: 98958013559
Status: Answered
Chosen Option: 2
Q.25 In a circle of radius 13 cm, a chord is at a distance of 12 cm from the centre of the circle. What is the length of the chord?

Ans

- 1. 5 cm
- 2. 7 cm
- 3. 9 cm
- 4. 10 cm

Question ID: 98958013563
Status: Answered
Chosen Option: 4

Section: English Comprehension

Q.1 In the sentence identify the segment which contains the grammatical error.

There is many modes of travel to go to Agra but I prefer road travel.

Ans

- 1. prefer road travel.
- 2. Agra but I
- 3. to go to
- 4. There is many modes

Question ID: 98958012850
Status: Answered
Chosen Option: 4

Q.2 Select the most appropriate meaning of the underlined idiom in the given sentence.

Raju was playing with fire when he made speeches against the management.

Ans

- 1. taking a grave risk
- 2. lighting candles
- 3. smoking a cigarette
- 4. provoking the crowd

Question ID: 98958012869
Status: Answered
Chosen Option: 1

Q.3 Select the word which means the same as the group of words given.

One who does not tire easily

Ans

- 1. indefatigable
- 2. inflatable
- 3. indelible
- 4. indestructible

Question ID: 98958012871
Status: Answered
Chosen Option: 1

Q.4 Select the most appropriate antonym of the given word.

SCANTY

Ans

- 1. small
- 2. concise
- 3. profuse
- 4. precise

Question ID: 98958012872
Status: Answered
Chosen Option: 4
Q.5 Select the correct passive form of the given sentence.

They opened a new mall nearby last month.

Ans

1. A new mall can be open nearby last month. **(Wrong)**
2. A new mall was opened nearby last month. **(Correct)**
3. Nearby a new mall is opened last month. **(Wrong)**
4. A new mall will be opened nearby last month. **(Wrong)**

Q.6 Given below are four jumbled sentences. Select the option that gives their correct order.

A. When we can’t laugh at the same joke again, why should we cry over the same problems?
B. One day he told them a joke and everyone roared with laughter.
C. People came to a wise man to complain about the same problems every time.
D. When he repeated the joke twice, nobody laughed anymore.

Ans

1. DBCA **(Wrong)**
2. BACD **(Correct)**
3. ADBC **(Wrong)**
4. CBDA **(Wrong)**

Q.7 Select the correctly spelt word.

Ans

1. luxury **(Correct)**
2. luxry **(Wrong)**
3. lugzury **(Wrong)**
4. luxery **(Wrong)**

Q.8 Select the most appropriate synonym of the given word.

ADEPT

Ans

1. skilled **(Correct)**
2. kind-hearted **(Wrong)**
3. alone **(Wrong)**
4. unknown **(Wrong)**

Q.9 Given below are four jumbled sentences. Select the option that gives their correct order.

A. The market which has remained clogged with vehicles was all clear for pedestrians.
B. The road has even been marked with stripes demarcating space for hawkers.

Ans

1. **(Correct)**
C. It is also lined with beautiful potted plants to give it a green look.

D. Visitors to the busy Karol Bagh market in Delhi were in for a surprise.

Ans

1. DCBA
2. DABC
3. ADBC
4. BDAC

Q.10 Select the most appropriate meaning of the underlined idiom in the given sentence.

The authorities have turned a deaf ear to all our requests.

Ans

1. acknowledged
2. neglected
3. accepted
4. presented

Question ID: 98958012862
Status: Answered
Chosen Option: 3

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

He remembers the first time he saw the elephant. “This was in 2007 at a (1) ______ called Thanni Paarai. Chinna Thambi was (2) ______ water on himself at a waterbody. The (3) ______ was green; not the kind people would drink,” says Abraham. “After a nice shower, the elephant walked (4) ______ to a rock, lifted it, and drank from a (5) ______ under it.”

SubQuestion No : 11
Q.11 Select the most appropriate option to fill in blank No.(1)

Ans

1. place
2. shop
3. street
4. market

Question ID: 98958012857
Status: Answered
Chosen Option: 1

Question ID: 98958012868
Status: Answered
Chosen Option: 2

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

He remembers the first time he saw the elephant. “This was in 2007 at a (1) ______ called Thanni Paarai. Chinna Thambi was (2) ______ water on himself at a waterbody. The (3) ______ was green; not the kind people would drink,” says Abraham. “After a nice shower, the elephant walked (4) ______ to a rock, lifted it, and drank from a (5) ______ under it.”

SubQuestion No : 12
Q.12 Select the most appropriate option to fill in blank No.(2)

Ans

1. raining
2. wetting
3. sprinkling
4. sparkling

Question ID: 98958012858
Status: Answered
Chosen Option: 2
He remembers the first time he saw the elephant. "This was in 2007 at a (1) ______ called Thanni Paarai. Chinna Thambi was (2) ______ water on himself at a waterbody. The (3) ______ was green; not the kind people would drink," says Abraham. "After a nice shower, the elephant walked (4) ______ to a rock, lifted it, and drank from a (5)______ under it."

Q.13 Select the most appropriate option to fill in blank No.(3)
Ans  
1. leaf  
2. flower  
3. water  
4. milk

Q.14 Select the most appropriate option to fill in blank No.(4)
Ans  
1. behind  
2. over  
3. above  
4. near

Q.15 Select the most appropriate option to fill in blank No.(5)
Ans  
1. tank  
2. spring  
3. tap  
4. pond

Q.16 Select the correctly spelt word.
Ans
Q.17 Select the most appropriate synonym of the given word.

**INITIATE**

Ans
- 1. sign
- ✗ 2. slow
- ✔ 3. start
- ✗ 4. show

Question ID: 98958012873
Status: Answered
Chosen Option: 3

Q.18 Select the correct active form of the given sentence.

By whom were you taught Mathematics?

Ans
- ✔ 1. Who taught you Mathematics?
- ✗ 2. Who teaching you Mathematics?
- ✗ 3. Who will teach you Mathematics?
- ✗ 4. Whom are you teaching Mathematics?

Question ID: 98958012865
Status: Answered
Chosen Option: 1

Q.19 Select the most appropriate option to substitute the underlined segment in the given sentence.

If no substitution is required, select No improvement.

When we went to the cinema yesterday, the film had already start.

Ans
- ✗ 1. the film was already start.
- ✔ 2. the film had already started.
- ✗ 3. No improvement
- ✗ 4. the film have already start.

Question ID: 98958012853
Status: Answered
Chosen Option: 2

Q.20 Select the most appropriate antonym of the given word.

**PROLONG**

Ans
- ✗ 1. prevent
- ✔ 2. shorten
- ✗ 3. allow
- ✗ 4. increase

Question ID: 98958012867

Q.21 Select the word which means the same as the group of words given.

Incapable of being read

Ans  
1. unseen  
2. eligible  
3. illegible  
4. vague

Question ID: 98958012870
Status: Answered
Chosen Option: 2

Q.22 Select the most appropriate option to fill in the blank.

Following detailed deliberations, the meeting has been _____ till next week

Ans  
1. proposed  
2. adjourned  
3. reviewed  
4. cancelled

Question ID: 98958012874
Status: Answered
Chosen Option: 3

Q.23 In the sentence identify the segment which contains the grammatical error.

Having just taking a heavy lunch, she was not ready to have any fruit.

Ans  
1. to have any fruit.  
2. taking a heavy  
3. Having just  
4. she was not ready

Question ID: 98958012851
Status: Answered
Chosen Option: 2

Q.24 Select the most appropriate option to fill in the blank.

Hima Das, the reigning world junior sprinter who _____ the national record, won the gold in the Federation Cup.

Ans  
1. holds  
2. keeps  
3. plays  
4. gets

Question ID: 98958012875
Status: Answered
Chosen Option: 1

Q.25 Select the most appropriate option to substitute the underlined segment in the given sentence.

If no substitution is required, select No improvement.

I am think that tomorrow I will take leave and stay at home.

Ans  
1. I have thought that tomorrow I am taking

Question ID: 98958012877
Status: Answered
Chosen Option: 1
2. No improvement

3. I think that tomorrow I will take

4. I was thinking that the next day I will be taking
Q.1 Select the missing number from the given options.

18 28 50
17 13 11
26 27 ?

Ans 1. 61
2. 30
3. 29
4. 36

Question ID: 98958014840
Status: Not Answered
Chosen Option: --

Q.2 Select the option that is related to the third number in the same way as the second number is related to the first number.

1:2:5:?

Ans 1. 120
2. 129
3. 128
4. 130

Question ID: 98958014838
Status: Answered
Chosen Option: 4

Q.3 In a code language, ROUTINE is written as 181521209145. How will VEHICLE be written as in that language?

Ans
1. 215893125
2. 225893125
3. 225893115
4. 225793125

Question ID: 98958014833
Status: Answered
Chosen Option: 2

Q.4 Three different positions of the same dice are shown. Which number will be on the face opposite to the one having 4?

Ans
1. 1

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Q.5 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans

- MOQSU
- PRTWY
- CEGIK
- UWYAC

Q.6 Which number will replace the question mark (?) in the following series?

116, 128, 146, 170, 200, ?

Ans

- 232
- 236
- 264
- 260

Q.7 The current age of Savan is four times the age of Akshay. 10 years from now, Savan’s age will be twice the age of Akshay. What is Savan’s current age?

Ans

- 30 years
- 20 years
- 10 years
- 5 years

Q.8 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Ans

- Humorous
- Comical
- Hilarious
- Gagster

Q.9 ‘Pencil’ is related to ‘Stationery’ in the same way as ‘Pilates’ is related to ‘______’.
Q.10 Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

Ans

1. Pulses
2. Spices
3. Dry fruits
4. Exercise

Q.11 Select the figure that will come next in the following figure series.

Ans

1. 
2. 
3. 
4. 

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Question ID: 98958014830
Status: Not Answered
Chosen Option: --

Question ID: 98958014848
Status: Answered
Chosen Option: 4

Q.12 Select the missing number from the given options

<table>
<thead>
<tr>
<th>7</th>
<th>11</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>12</td>
<td>9</td>
</tr>
<tr>
<td>113</td>
<td>265</td>
<td>?</td>
</tr>
</tbody>
</table>

Ans 1. 277

Q.13 Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
- All fields are farm-houses.
- Some fields are gardens.

Conclusions:
1. Some farm-houses are fields.
2. Some garden are fields.
3. Some farm-houses are garden.

Ans 1. All the conclusions, I, II and III, follow

Q.14 Arrange the following words in a logical and meaningful order:

1. Accident
2. Ambulance
3. Rash Driving
4. Injury
5. Hospital
6. Treatment
Q.15
Select the word pair in which the two words are related in the same way as are the two words in the following word pair:

Resist : Ohm

Ans
- 1. Time : Clock
- 2. Temperature : Thermometer
- 3. Pressure : Barometer
- 4. Length : Metre

Q.16
In a code language, ASTRONOMY is written as SARTRPONYM. How will FENUGREEK be written as in that language?

Ans
- 1. UNEFGKEER
- 2. EFUNHKEER
- 3. EFUNFERKE
- 4. EFUNHERKE

Q.17
‘A + B’ means ‘A is the daughter of B’.
‘A - B’ means ‘A is the brother of B’.
‘A × B’ means ‘A is the mother of B’.
‘A ÷ B’ means ‘A is the son of B’.

If U + C × P - R + S - T, then how is S related to U?

Ans
- 1. Maternal grandfather
- 2. Paternal grandfather
- 3. Mother
- 4. Paternal grandmother

Q.18
Which two signs should be interchanged to make the following equation correct?

\[ 40 ÷ 10 + 2 × 8 - 17 = 17 \]

Ans
- 1. ÷ and
Q.19 Three of the following four number-pairs are alike in a certain way and one is different. Pick the number-pair that is different from the rest.

Ans

1. 7 : 46
2. 9 : 80
3. 6 : 35
4. 4 : 15

Q.20 Select the figure in which the given figure is embedded. (Rotation is not allowed).

Ans

1. ✗
2. ✔
3. ✗
4. ✗

Q.21 Which letter will replace the question mark (?) in the following series?

R, C, T, E, V, ?, X, I
Q.22  How many triangles are there in the following figure?

Q.23  Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.
Q.24 Which letter-cluster will replace the question mark (?) in the following series?

PSV, UXA, ZCF, EHKL, ?

Ans
1. JMO
2. IMP
3. JMP
4. JNP

Question ID: 98958014849
Status: Answered
Chosen Option: 2

Q.25 In the given Venn diagram, the hexagon represents ‘farmers’, the circle represents ‘beneficiaries’ and the square represents ‘landowners’. The numbers given in the diagram represent the number of persons in each particular category.

How many farmers are both landowners and beneficiaries?

Ans
1. 21
2. 55
3. 12
4. 52

Question ID: 98958014834
Status: Answered
Chosen Option: 3

Section: General Awareness

Q.1 Which player has the record of scoring the most runs in the history of ICC World Cup?

Ans
1. Sachin Tendulkar
2. Brian Lara
3. Imran Khan
4. Don Bradman

Question ID: 98958014850
Status: Answered
Chosen Option: 1

Q.2 When was the ‘Battle of Tukaroi’ fought?

Ans
1. 1532
2. 1565
3. 1575
4. 1546

Question ID: 98958014822
Status: Not Answered
Chosen Option: --
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q.3 What is the unit of measure of a magnetic field?</td>
<td>3. Tesla</td>
<td>Answered</td>
</tr>
<tr>
<td>Q.4 What is the economic impact of increase in productivity of firms?</td>
<td>4. Increase in Gross Domestic Product</td>
<td>Answered</td>
</tr>
<tr>
<td>Q.6 What is the other name for 'Orion' Constellation?</td>
<td>4. Hunter</td>
<td>Not Answered</td>
</tr>
<tr>
<td>Q.7 The process of change from liquid to gas is called _____.</td>
<td>2. Vaporisation</td>
<td>Answered</td>
</tr>
<tr>
<td>Q.8 The Special Olympics 2019 were held in _____.</td>
<td>2. Qatar</td>
<td>Answered</td>
</tr>
</tbody>
</table>
Q.9 In which of the following states is the 'Lusei' dialect spoken?
   Ans: 1. Mizoram
        2. Goa
        3. Manipur
        4. Kerala

Q.10 In Parliament, who takes the final decision on whether a Bill is a Money Bill or not?
   Ans: 1. Vice President
        2. Speaker
        3. Finance Minister
        4. Prime Minister

Q.11 Rehuke khim' or 'cowrie shawl' are traditional textiles of ______.
   Ans: 1. Assam
        2. Jharkhand
        3. Odisha
        4. Nagaland

Q.12 In the context of Indian parliament what is 'Zero Hour'?
   Ans: 1. Time immediately after Question Hour
        2. Time in the last half of the parliamentary proceeding
        3. Time before Question Hour
        4. Time in the first half of the parliamentary proceeding

Q.13 Which of the following is called the 'Grand Canyon of India'?
   Ans: 1. Gangani Grand Canyon
        2. Laitlum Canyon
        3. Chambal River Canyon
        4. Great Canyon of Gandikota
Q.14 When was the 'Battle of Kanauj' fought?
Ans: 1. 1540
2. 1524
3. 1556
4. 1536

Q.15 Which documentary based on Indian society won an Academy Award in 2019?
Ans: 1. End Game
2. Lifeboat
3. Period. End of Sentence
4. Black Sheep

Q.16 What would happen to the demand curve when there is an increase in the price of substitute products?
Ans: 1. Outward shift
2. Remains constant
3. Initially inward and then after a period outward shift
4. Inward shift

Q.17 The easternmost point of India is _____.
Ans: 1. Kibithu
2. Wokha
3. Mokokchung
4. Doulchara

Q.18 Identify the element that is most prolific in the crust of the earth.
Ans: 1. Iron
2. Silicon
3. Oxygen
4. Hydrogen
Q.19 The Sahyadri Mountains run from _____ to Kanyakumari, the southernmost part of India.

Ans
1. Uttar Pradesh
2. Madhya Pradesh
3. Gujarat
4. Rajasthan

Q.20 The Aligarh Movement was started by _____.

Ans
1. Dr Maghfoor Ahmad Ajazi
2. Muhammad Ali Jinnah
3. Maulana Manzoor Ahsan
4. Syed Ahmed Khan

Q.21 The phrase 'Bend your back' is used in which sport?

Ans
1. Hockey
2. Football
3. Volleyball
4. Cricket

Q.22 Which of the following Indians was one of the founders of Dartington Hall School in Japan?

Ans
1. Subhash Chandra Bose
2. Dadabhai Naoroji
3. Swami Vivekananda
4. Rabindranath Tagore

Q.23 Where is the National War Memorial of India located?

Ans
1. Andaman
2. Rajkot
3. New Delhi
4. Kochi

Q.24 Surendranath Banerjee and Ananda Mohan Bose founded ________ in Bengal in 1876.

Ans
1. Bengal Association
2. Indian Association
Q.25 Which one of the following is the largest recognised constellation?

Ans 1. Hydra
2. Dorado
3. Antila
4. Crux

Q.1 An article is sold for ₹288 after successive discounts of 20% and 25%. What is the marked price of the article?

Ans 1. ₹520
2. ₹480
3. ₹460
4. ₹500

Q.2 If \((a - b) = 4\) and \(ab = 2\), then \((a^2 - b^2)\) is equal to:

Ans 1. 92
2. 88
3. 84
4. 80

Q.3 In a circle of radius 17 cm, a chord is at a distance of 15 cm from the centre of the circle. What is the length of the chord?

Ans 1. 15 cm
2. 12 cm
3. 8 cm
4. 16 cm

Q.4 If \(a : b = 5 : 7\), then \((5a - 3b) : (4a - 2b)\) is equal to:

Ans 1. 2 : 3
2. 5 : 4
Q.5 The value of \( \sin^2 42^\circ + \sin^2 48^\circ + \tan^2 60^\circ - \csc 30^\circ \) is equal to:

Ans

1. 5
2. 3
3. 4
4. 2

Question ID: 98958014857
Status: Answered
Chosen Option: 1

Q.6 \( 21.6 \div 3.6 \times 2 + 0.25 \times 16 \div 4 - 6 \) is equal to:

Ans

1. 6
2. 5
3. 8
4. 7

Question ID: 98958014871
Status: Answered
Chosen Option: 4

Q.7 If \( \sin 3\theta = \cos (20^\circ - \theta) \), then \( \theta \) is equal to:

Ans

1. 25
2. 35
3. 28
4. 30

Question ID: 98958014852
Status: Answered
Chosen Option: 4

Q.8 The efficiencies of A, B, and C are in the ratio 2 : 5 : 3. Working together, they can complete a task in 12 days. In how many days can A alone complete 30% of that task?

Ans

1. 15
2. 16
3. 20
4. 18

Question ID: 98958014869
Status: Answered
Chosen Option: 2

Q.9 The price of petrol is increased by 30%. A person wants to increase his expenditure by 22% only. By approximately what percent should he decrease his consumption?

Ans

1. 5.3%

Question ID: 98958014859
Status: Answered
Chosen Option: 4
Q.10  In a class of 50 students, 60% are boys. The average marks of the boys is 62, and that of the girls is 68. What is the average marks of the whole class?
Ans  1. 64.8  
2. 64.4  
3. 65.2  
4. 64.6

Q.11  The Table shows the number of students from different schools playing different games.

<table>
<thead>
<tr>
<th>Game</th>
<th>Schools</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Cricket</td>
<td>125</td>
</tr>
<tr>
<td>Football</td>
<td>175</td>
</tr>
<tr>
<td>Hockey</td>
<td>75</td>
</tr>
</tbody>
</table>

What is the average of the number of students who play cricket in all five schools?
Ans  1. 180  
2. 200  
3. 190  
4. 185

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Q.12  ΔABC~ ΔEDF and ar(ΔABC) : ar(ΔDEF) = 1 : 4. If AB = 7 cm, BC = 8 cm and CA = 9 cm, then DF is equal to:
Ans  1. 8 cm  
2. 16 cm  
3. 18 cm  
4. 14 cm

Q.13  Six cubes, each of edge 2 cm, are joined end to end. What is the total surface area of the resulting cuboid in cm²?
Ans  1. 96  
2. 144  
3. 104  
4. 128
Q.14 The difference between the compound interest and simple interest on ₹x at 11% per annum for 2 years is ₹60.50. What is the value of x?

Ans
1. 4800
2. 4000
3. 5000
4. 4500

Q.15 Two articles are sold for ₹7,752 each. On one, the seller gains 32% and on the other he loses 28%. What is his overall gain or loss percentage, correct to one decimal place?

Ans
1. 7.3% gain
2. 7.3% loss
3. 6.8% loss
4. 6.8% gain

Q.16 If $3\sin\theta = 2\cos\theta$, then $\frac{4\sin\theta - \cos\theta}{4\cos\theta + \sin\theta}$ is equal to:

Ans
1. $\frac{5}{7}$
2. $\frac{5}{9}$
3. $\frac{5}{14}$
4. $\frac{5}{11}$

Q.17 If $\sqrt{x} - \frac{1}{\sqrt{x}} = \sqrt{5}$, then $x^2 + \frac{1}{x^2}$ is equal to:

Ans
1. 45
2. 49
3. 47
4. 51

Q.18
The Table shows the number of students from different schools playing different games:

<table>
<thead>
<tr>
<th>School</th>
<th>Cricket</th>
<th>Badminton</th>
<th>Tennis</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>15</td>
<td>12</td>
<td>17</td>
<td>44</td>
</tr>
<tr>
<td>B</td>
<td>16</td>
<td>11</td>
<td>14</td>
<td>41</td>
</tr>
</tbody>
</table>

3. The total students who play cricket in schools A and B together to the total students who play hockey
   in schools A and B is 16 : 11.

4. 16 : 13

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Q.19
In \( \triangle ABC \), P is a point on BC such that BP : PC = 4 : 5 and Q is the midpoint of MP. Then \( \text{ar}(\triangle ABQ) : \text{ar}(\triangle ABC) \) is equal to:

Ans
1. 1 : 3
2. 1 : 9
3. 2 : 9
4. 2 : 5

Q.20
In a circle with centre O, an arc \( \overarc{ABC} \) subtends an angle of 136° at the centre of the circle. The chord AB is produced to a point P. Then \( \angle CPB \) is equal to:

Ans
1. 72°
2. 44°
3. 68°
4. 66°

Q.21
If \( a + b + c = 8 \) and \( ab + bc + ca = 20 \), then \( a^2 + b^2 + c^2 - 3abc \) is equal to:

Ans
1. 30
2. 24
3. 32
4. 36

Q.22
The Table shows the number of students from different schools playing different games:

The number of students who play football in school A is approximately what percent of the football playing students from all schools?

Ans
1. 19.4
2. 19.7
3. 19.9
4. 19.1
Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Q.23 Walking \(^{\frac{3}{4}}\) of his usual speed, a person reaches his office 10 minutes later than the usual time. His usual time in minutes is:

Ans

1. 28
2. 30
\(\checkmark\) 3. 25
4. 35

Q.24 What is the value of \(x\) so that the seven digit number 55350\(x\)2 is divisible by 72?

Ans

1. 1
2. 8
\(\checkmark\) 3. 7
4. 3

Q.25 The Table shows the number of students from different schools playing different games.

<table>
<thead>
<tr>
<th>Schools</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cricket</td>
<td>26</td>
<td>20</td>
<td>26</td>
<td>172</td>
</tr>
<tr>
<td>Football</td>
<td>125</td>
<td>205</td>
<td>126</td>
<td>124</td>
</tr>
<tr>
<td>Badminton</td>
<td>179</td>
<td>205</td>
<td>126</td>
<td>123</td>
</tr>
</tbody>
</table>

If the data about the number of students who play hockey from different schools is represented by a pie-chart, what is the central angle of the sector representing students who play hockey from school C to the nearest whole number?

Ans

1. 80°
2. 107°
\(\checkmark\) 3. 102°
4. 95°

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Section: English Comprehension

Q.1 Select the correct active form of the given sentence.

He was given a book for his birthday.

Ans

1. She has gave him a book for his birthday.
2. She give a book to him for his birthday.
\(\checkmark\) 3. She gave him a book for his birthday.
4. She will be giving him a book for his birthday.
Q.2 In the sentence identify the segment which contains the grammatical error.

The cost of fruits and vegetables have risen abnormally this month.

Ans
- 1. abnormally
- 2. The cost of
- 3. have risen
- 4. this month.

Q.3 Select the most appropriate option to substitute the underlined segment in the given sentence.

If no substitution is required, select No improvement.

Meera has a friend who parents live in Dubai.

Ans
- 1. has a friend which parents live
- 2. have a friend whom parents live
- 3. has a friend whose parents live
- 4. No improvement.

Q.4 Select the word which means the same as the group of words given.

Too unimportant to consider

Ans
- 1. trivial
- 2. noticeable
- 3. nothing
- 4. diminutive

Q.5 Given below are four jumbled sentences. Select the option that gives their correct order.

A. Its value is linked to what it is being used for.
B. Such questions often baffle you.
C. How emotional should one get about money and its value?
D. Money on its own has no value, until you have some use for it.

Ans
- 1. CABD
- 2. DBAC
- 3. CBDA
- 4. ACDB

Q.6 Select the most appropriate option to substitute the underlined segment in the given
If no substitution is required, select No improvement.

Applications are to be sent to the Principal before 30th May.

Ans

- 1. will be send to
- 2. are sending to
- 3. No improvement
- 4. were being send to

Q.7 Select the most appropriate option to fill in the blank.

It is hard to conceive of a more _____ route than the one that this determined traveller chose to follow.

Ans

- 1. stimulating
- 2. dashing
- 3. daunting
- 4. provoking

Q.8 Select the correct passive form of the given sentence.

The artist played the violin.

Ans

- 1. The violin had been played by the artist.
- 2. The violin will be played by the artist.
- 3. The violin is being played by the artist.
- 4. The violin was played by the artist.

Q.9 Select the word which means the same as the group of words given.

That which can be drawn into a thin wire

Ans

- 1. ductile
- 2. smooth
- 3. flexible
- 4. brittle

Q.10 Given below are four jumbled sentences. Select the option that gives their correct order.

A. Only natural dyes are used in Kalamkari and it involves several steps.
B. There are two distinctive styles of Kalamkari in India.
C. They are the Sri Kalahasti style and the Machilipatnam style.
D. Kalamkari is a type of hand-painted or block-printed cotton textile, produced in the Indian States of Andhra Pradesh and Telangana.

Ans

- 1. CBDA
- 2. DABC
Q.11 Select the most appropriate synonym of the given word.

**OBSTACLE**

**Ans**
- 1. benefit
- 2. clearance
- 3. accessory
- **4. barrier**

Q.12 Select the correctly spelt word.

**Ans**
- 1. **fortieth**
- 2. **fortieth**
- 3. **fortyth**
- 4. fourtieth

Q.13 Select the correctly spelt word.

**Ans**
- 1. taelant
- 2. centiment
- **3. serenity**
- 4. cleaver

Q.14 In the sentence identify the segment which contains the grammatical error.

Cows are amongst the gentlest of animals; none shows more passionate tenderness towards their young.

**Ans**
- 1. **none shows more**
- 2. towards their young
- 3. the gentlest of animals
- 4. Cows are amongst

Q.15 Select the most appropriate option to fill in the blank.

Charlie Chaplin's rise to fame paralleled the ____ growth of Hollywood movies in the first decades of the century.

**Ans**
- 1. sluggish
Q.16 Select the most appropriate synonym of the given word.
ENDEAVOUR
Ans
1. success [Correct]
2. result [Incorrect]
3. achievement [Incorrect]
4. attempt [Correct]

Q.17 Select the most appropriate meaning of the underlined idiom in the given sentence.
The idea of making a children's park has been nipped in the bud by the local council.
Ans
1. encouraged strongly [Incorrect]
2. changed completely [Incorrect]
3. dropped at an early stage [Correct]
4. included somewhere else [Incorrect]

Q.18 Select the most appropriate meaning of the underlined idiom in the given sentence.
We now have an ex-Minister in the running from our constituency for the post of Member of Parliament.
Ans
1. contesting the seat [Correct]
2. teaching yoga [Incorrect]
3. giving speeches [Incorrect]
4. jogging everyday [Incorrect]

Q.19 Select the most appropriate antonym of the given word.
WEAKNESS
Ans
1. illness [Incorrect]
2. strength [Correct]
3. bravery [Incorrect]
4. disability [Incorrect]
Q.20 Select the most appropriate antonym of the given word.

**TYRANT**

Ans

1. patron
2. benefactor
3. champion
4. rival

---

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

M. Ananda Kumar, scientist, Nature Conservation Foundation says that elephants are ‘engineers of the eco-system. He explains : they are seed (1)_____. Forests without (2)_____. have been observed to not have young (3)_____. at all. This is because (4)_____. species disperse seeds only through elephants.’ The animals are phenomenal at (5)_____. themselves to new ecological conditions and negotiating a problem.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank No.(1)

Ans

1. collectors
2. makers
3. eaters
4. dispersers

---

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

M. Ananda Kumar, scientist, Nature Conservation Foundation says that elephants are ‘engineers of the eco-system. He explains : they are seed (1)_____. Forests without (2)_____. have been observed to not have young (3)_____. at all. This is because (4)_____. species disperse seeds only through elephants.’ The animals are phenomenal at (5)_____. themselves to new ecological conditions and negotiating a problem.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank No.(2)

Ans

1. engineers
2. elephants
3. conservation
4. seeds

---

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

M. Ananda Kumar, scientist, Nature Conservation Foundation says that elephants are ‘engineers of the eco-system. He explains : they are seed (1)_____. Forests without (2)_____. have been observed to not have young (3)_____. at all. This is because (4)_____. species disperse seeds only through elephants.’ The animals are phenomenal at (5)_____. themselves to new ecological conditions and negotiating a problem.

SubQuestion No : 23
Q.23 Select the most appropriate option to fill in blank No.(3)
Ans
✓ 1. saplings
✗ 2. species
✗ 3. seeds
✗ 4. elephants

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

M. Ananda Kumar, scientist, Nature Conservation Foundation says that elephants are "engineers of the eco-system. He explains: they are seed (1)_____. Forests without (2)____ have been observed to not have young (3)______ at all. This is because (4)____ species disperse seeds only through elephants. The animals are phenomenal at (5)____ themselves to new ecological conditions and negotiating a problem.

SubQuestion No : 24
Q.24 Select the most appropriate option to fill in blank No.(4)
Ans
✗ 1. all
✓ 2. certain
✗ 3. no
✗ 4. every

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

M. Ananda Kumar, scientist, Nature Conservation Foundation says that elephants are "engineers of the eco-system. He explains: they are seed (1)_____. Forests without (2)____ have been observed to not have young (3)______ at all. This is because (4)____ species disperse seeds only through elephants. The animals are phenomenal at (5)____ themselves to new ecological conditions and negotiating a problem.

SubQuestion No : 25
Q.25 Select the most appropriate option to fill in blank No.(5)
Ans
✗ 1. explaining
✓ 2. adapting
✗ 3. expanding
✗ 4. structuring
CGLE- Combined Graduate Level Tier-I, 2018 Examination

Roll No. w w w . e x a m m i x . c o m
Registration No. Exammix
Name
Test Venue
Test Time 1:00 PM - 2:00 PM
Test Date 13/06/2019

Section: General Intelligence and Reasoning

Q.1 Select the missing number from the given options.

36  52  86
28  40  12
32  46  ?

Ans
   1. 43
   2. 53
   3. 49
   4. 51

Question ID: 98958014013
Status: Not Answered
Chosen Option: --

Q.2 ‘A + B’ means ‘A is the sister of B’
‘A − B’ means ‘A is the daughter of B’
‘A × B’ means ‘A is the brother of B’
‘A ÷ B’ means ‘A is the husband of B’

If V + U × Q − T + R + P × S, then how is P related to V?

Ans
   1. Paternal uncle
   2. Maternal aunt
   3. Paternal uncle
   4. Paternal aunt

Question ID: 98958014008
Status: Answered
Chosen Option: 3

Q.3

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Two statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
All utensils are spoons.
All bowls are spoons.

Conclusions:
I. No utensil is a bowl.
II. Some utensils are bowls.
III. No spoon is a utensil.

Ans  

1. Only conclusions I follows
2. Conclusions I and III follow
3. Either conclusion I or II follows
4. Only conclusion III follows

Q.4
Select the figure that will come next in the following figure series.

![Figure Series]

Ans

1. 
2. 
3. 
4.

Q.5
Three different positions of the same dice are shown here. Which number is on the face opposite the face showing '5'?

![Dice Positions]

Ans

1. 1
2. 3

Question ID: 98958014009
Status: Answered
Chosen Option: 3

Question ID: 98958014017
Status: Answered
Chosen Option: 1
Q.6 Given below is a transparent sheet of paper with some patterns drawn on it. How would the transparent sheet look when it is folded on the dotted line?

Ans

1. 

2. 

3. 

4. 

Q.7 Select the option that is related to the third number in the same way as the second number is related to the first number.

12 : 192 :: 15 : ?

Ans

1. 245

2. 240

3. 225

4. 250

Q.8 The sum of the current ages of Shipra and Malini is 65 years. After 5 years, Shipra’s age will be 15 years more than Malini’s age. What is Malini’s current age?

Ans

1. 25 years

2. 30 years

3. 15 years

4. 20 years
Q.9  Select the term that will come next in the following series.

114, 127, 153, 192, 244, ?

Ans  
1. 309   ✔️
2. 361   ❌
3. 344   ❌
4. 284   ❌

Q.10  Select the figure in which the given figure is embedded. (Rotation is not allowed)

Ans  
1.   ❌
2.   ❌
3.   ❌
4.   ✔️
Q.11  Arrange the following words in a logical and meaningful order.

   1. Wrist
   2. Nails
   3. Shoulder
   4. Elbow
   5. Palm
   6. Fingers

Ans  

1. 3, 5, 1, 4, 6, 2
2. 3, 4, 1, 5, 6, 2
3. 3, 4, 1, 2, 5, 6
4. 3, 1, 4, 2, 5, 6

Question ID : 98958014000
Status : Answered
Chosen Option : 4

Q.12  Select the word-pair in which the two words are related in the same way as the two words in the following word-pair.

Dirty : Filthy

Ans  

1. Perfect : Unique
2. Shy : Timid
3. Cute : Child
4. Bright : Sunlight

Question ID : 98958014004
Status : Answered
Chosen Option : 2

Q.13  In a code language, TROPICAL is written as PORTLACL. How will DISTANCE be written in that language?

Ans  

1. ISTSNAEF
2. TSIDECNA
3. TSIDECAN
4. STIDECNA

Question ID : 98958014005
Status : Answered
Chosen Option : 4

Q.14  Select the term that will come next in the following series.

DGI, BDN, ZAR, XXV, ?

Ans  

1. VUZ
2. UUZ
3. VUY
4. VTZ
Q.15  Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd pair out.

Ans  
1. 4 : 27  
2. 49 : 218  
3. 16 : 125  
4. 9 : 64

Q.16  ‘Heart’ is related to ‘Circulation’ in the same way as ‘Kidney’ is related to ‘_____’.

Ans  
1. Reproduction  
2. Respiration  
3. Energy Production  
4. Excretion

Q.17  Select the term that will come next in the following series.

M, E, P, H, S, ?, V, N

Ans  
1. U  
2. K  
3. M  
4. J

Q.18  How many triangles are there in the following figure?

Ans  
1. 20  
2. 18  
3. 16
Q.19 Which two signs should be interchanged to make the following equation correct?

\[ 5 + 16 - 4 \times 14 + 2 = 59 \]

**Ans**
- 1. × and +
- 2. + and ×
- 3. + and –
- 4. × and –

Q.20 In a code language, if LAMINATE is coded as 121139141205, then how will SYSTEMIC be coded in the same language?

**Ans**
- 1. 1925192051393
- 2. 1925192051493
- 3. 1825182051393
- 4. 1925192051383

Q.21 In the Venn diagram shown here, the triangle represents ‘students’, the circle represents ‘diploma holders’ and the quadrilateral represents ‘graduates’. The numbers given in the diagram represent number of persons of that particular category.

![Venn Diagram](image)

How many students are diploma holders but NOT graduates?

**Ans**
- 1. 8
- 2. 11
- 3. 40
- 4. 30

Q.22 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

**Ans**
- 1. RVZDG
- 2. DHLPT
Q.23 Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

 Ans

 Q.24 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

 Ans

 Q.25 Select the missing number from the given options.

 2  3  5
 125  343  216
 3  4  ?
Q.1 Chepu is a unique cultural symbol of ____.

Ans

1. Bhutan
2. Myanmar (Burma)
3. China
4. Nepal

Q.2 Who among the following is/was the longest serving governor of an Indian state?

Ans

1. Lakshmi Kant Jha
2. Padmaja Naidu
3. N D Tiwari
4. Sarojini Naidu

Q.3 In which part of the body is blood produced?

Ans

1. Bone Marrow
2. Lungs
3. Brain
4. Heart

Q.4 In which year was the Battle of Saragarhi fought?

Ans

1. 1867
2. 1897
3. 1854
4. 1878
Q.5  As of April 2019 who is longest serving chief minister of an Indian state?
   Ans
   1. Jyoti Basu
   2. Sheila Dixit
   3. Jayalalitha
   4. Pawan Chamling
   Chosen Option : --

Q.6  Byopa is a traditional headgear of tribes belonging to _____.
   Ans
   1. Jharkhand
   2. Arunachal Pradesh
   3. Kerala
   4. Goa
   Chosen Option : 4

Q.7  Identify the part of brain that controls the maintenance of posture, balance and equilibrium.
   Ans
   1. Diencephalon
   2. Brainstem
   3. Cerebrum
   4. Cerebellum
   Chosen Option : 4

Q.8  In December 2018, Havelock Island was renamed as ______.
   Ans
   1. Swaheed Dweep
   2. Swaraj Dweep
   3. Netaji Subhash Bose Island
   4. Veer Savarkar Island
   Chosen Option : 4

Q.9  Which of the following is the national sport of Bangladesh?
   Ans
   1. Kabaddi
   2. Kho Kho
   3. Cricket
   4. Boxing
   Chosen Option : --
Q.10 Wind turbines convert ______ energy into mechanical power.

Ans

1. chemical
2. nuclear
3. gravitational
4. kinetic

Chosen Option: 3

Q.11 Which of the following is the largest container port of India?

Ans

1. Jawaharlal Nehru Port
2. Ennore Port
3. Chhatrapati Shivaji Port
4. Paradip Port

Chosen Option: 4

Q.12 Which theory in economics proposes that countries export what they can most efficiently and plentifully produce?

Ans

1. Solow-Swan Model
2. Heckscher-Ohlin Model
3. Input-Output Model
4. Cournot Competition

Chosen Option: --

Q.13 Who is the author of the book The Buddha and His Dhamma?

Ans

1. Jawaharlal Nehru
2. B R Ambedkar
3. Rajmohan Gandhi
4. Sarojini Naidu

Chosen Option: --

Q.14 Name the comprehensive pension management system developed by the Department of Telecom in December 2018.

Ans

1. ACHARAN
2. SAMPANN

Chosen Option: --
### Q.15 With which sport is the term bleeder associated?

**Ans**

- 1. Swimming
- 2. Volleyball
- 3. Cricket
- 4. Boxing

**Status:** Not Answered

**Question ID:** 98958014621

### Q.16 What was the theme of World AIDS Day 2018?

**Ans**

- 1. Check Yourself
- 2. Save Yourself
- 3. Know your Status
- 4. We Shall Overcome

**Status:** Answered

**Question ID:** 98958014620

### Q.17 Which theory is used to make long-run predictions about exchange rates in a flexible exchange rate system?

**Ans**

- 1. Purchasing Power Parity Theory
- 2. Balance of Payment Theory
- 3. Interest Rate Approach
- 4. Portfolio Balance Approach

**Status:** Not Answered

**Question ID:** 98958014602

### Q.18 The study of insects is called ______.

**Ans**

- 1. Ornithology
- 2. Anthropology
- 3. Geology
- 4. Entomology

**Status:** Answered

**Question ID:** 98958014606

### Q.19 In which medical condition is the eye's optic nerve damaged and the condition worsens over time?

- **Answer:** 4

**Status:** Answered

**Question ID:** 98958014601
Q.20 Who was the first Russian prime minister to visit independent India?
Ans 1. Nikolai Bulganin

Q.21 How many sessions of the Lok Sabha are normally held in a year?
Ans 1. 7
2. 5
3. 3
4. 2

Q.22 Which state of India was ruled by the Ahom Dynasty?
Ans 1. Karnataka
2. Assam
3. Rajasthan
4. Odisha

Q.23 Which was the wettest place in India in 2018 as per the India Meteorological Department (IMD)?
Ans 1. Cherrapunji
2. Mawsynram
3. Mahabaleshwar
4. Ooty
Q.24 Which of the following is the highest peak in Sri Lanka?

Ans

1. Kirigalpotta
2. Hakgala
3. Mount Pedro
4. Bible Rock

Question ID: 98958014608
Status: Not Answered
Chosen Option: --

Q.25 Who among the following was the last Nawab of Awadh?

Ans

1. Amjad Ali Khan
2. Muhammad Mukim
3. Wajid Ali Shah
4. Saadat Ali Khan

Question ID: 98958014613
Status: Not Answered
Chosen Option: --

Section: Quantitative Aptitude

Q.1 In ΔABC, P is a point on BC such that BP : PC = 4 : 11. If Q is the midpoint of BP, then ar(ΔBQP) : ar(ΔBCP) is equal to:

Ans

1. 2 : 11
2. 2 : 15
3. 3 : 13
4. 2 : 13

Question ID: 98958013615
Status: Answered
Chosen Option: 2

Q.2 If \(\sqrt{x} + \frac{1}{\sqrt{x}} = \sqrt{6}\), then \(x^2 + \frac{1}{x^2}\) is equal to:

Ans

1. 18
2. 14
3. 16
4. 12

Question ID: 98958013611
Status: Answered
Chosen Option: 2

Q.3 An article is sold for ₹288 after successive discounts of 25% and x%. If the marked price of the article is ₹480, what is the value of x?

Ans

1. 20
2. 16
3. 15
4. In a class of 50 students, 40% are girls. The average marks of the whole class are 64.4 and the average of the boys' marks is 62. What is the average marks of the girls?

Ans
\[ \checkmark \quad 4. \quad 68 \]

Q.5 If \( 2\sin \theta = 5\cos \theta \), then \( \frac{\sin \theta + \cos \theta}{\sin \theta - \cos \theta} \) is equal to:

Ans
\[ \checkmark \quad 4. \quad \frac{7}{3} \]

Q.6 The efficiencies of A, B and C are in the ratio of 3 : 2 : 1. Working together, they can complete a task in 21 hours. In how many hours will B alone complete 40% of that task?

Ans
\[ \checkmark \quad 3. \quad 35 \]

Q.7 The value of \( \sin^2 32^\circ + \sin^2 58^\circ - \sin 30^\circ + \sec^2 60^\circ \) is equal to:

Ans
\[ \checkmark \quad 3. \quad 4.5 \]

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Q.8 If $a + b + c = 10$ and $ab + bc + ca = 32$ then $a^3 + b^3 + c^3 - 3abc$ is equal to:

Ans

1. 50

2. 40

3. 60

4. 70

Question ID: 98958013612
Status: Answered
Chosen Option: 2

Q.9 If $a - b = 5$ and $ab = 6$, then $(a^3 - b^3)$ is equal to:

Ans

1. 225

2. 155

3. 90

4. 215

Question ID: 98958013610
Status: Not Answered
Chosen Option: --

Q.10 In a circle with centre O, an arc $ABC$ subtends an angle of $110^\circ$ at the centre of the circle. The chord $AB$ is produced to a point $P$. Then $\angle CPB$ is equal to:

Ans

1. $60^\circ$

2. $55^\circ$

3. $65^\circ$

4. $70^\circ$

Question ID: 98958013614
Status: Answered
Chosen Option: 4

Q.11 In a circle of radius 17 cm, a chord is at a distance of 8 cm from the centre of the circle. What is the length of the chord?

Ans

1. 20 cm

2. 15 cm

3. 25 cm

4. 30 cm

Question ID: 98958013613
Status: Answered
Chosen Option: 4

Q.12
The Table shows the number of cars sold by three showrooms over a period of six years.

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>500</td>
<td>480</td>
<td>520</td>
<td>620</td>
<td>650</td>
<td>630</td>
</tr>
<tr>
<td>B</td>
<td>450</td>
<td>420</td>
<td>530</td>
<td>490</td>
<td>520</td>
<td>460</td>
</tr>
<tr>
<td>C</td>
<td>400</td>
<td>470</td>
<td>150</td>
<td>550</td>
<td>540</td>
<td>430</td>
</tr>
</tbody>
</table>

If the total number of cars sold by all three showrooms over the years is represented as a pie-chart, what is the central angle of the sector representing the total number of cars sold in the year 2013 (to the nearest whole number)?

Ans 1. 58°
2. 62°
3. 60°
4. 56°

Question ID: 98958013623
Status: Not Answered
Chosen Option: --

Q.13 The price of sugar is increased by 17%. A person wants to increase his expenditure by 5% only. By approximately what percent should he decrease his consumption?

Ans 1. 10.3
2. 10.7
3. 10.9
4. 9.9

Question ID: 98958013603
Status: Not Answered
Chosen Option: --

Q.14 The Table shows the number of cars sold by three showrooms over a period of six years.

<table>
<thead>
<tr>
<th>Showroom</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>450 420 530</td>
</tr>
<tr>
<td>C</td>
<td>400 470 150</td>
</tr>
</tbody>
</table>

What is the ratio of the total cars sold by showroom B during the years 2014 and 2016 and the total cars sold by showroom C during 2015 and 2016?

Ans 1. 86 : 97
2. 88 : 97
3. 85 : 97
4. 88 : 95

Question ID: 98958013621
Status: Not Answered
Chosen Option: --

Q.15 The Table shows the number of cars sold by three showrooms over a period of six years.

<table>
<thead>
<tr>
<th>Showroom</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>450 420 530</td>
</tr>
<tr>
<td>C</td>
<td>400 470 150</td>
</tr>
</tbody>
</table>

By what percent did the total number of cars sold by all three showrooms decrease during the year 2016, as compared to that in the year 2015 (nearest to one decimal place)?

Ans 1. 14.6%
2. 14.8%
Q.16 If \( \csc \theta = \sec (3\theta - 15^\circ) \), then \( \theta \) is equal to:

\[\begin{align*}
\text{Ans} & \\
\times 1. & 22^\circ \\
\times 2. & 20^\circ \\
\times 3. & 25^\circ \\
\checkmark 4. & 21^\circ \\
\end{align*}\]

Q.17 If \( (5a - 3b) : (4a - 2b) = 2 : 3 \), then \( a : b \) is equal to:

\[\begin{align*}
\text{Ans} & \\
\times 1. & 3 : 4 \\
\times 2. & 2 : 3 \\
\times 3. & 5 : 8 \\
\checkmark 4. & 5 : 7 \\
\end{align*}\]

Q.18 in \( \triangle ABC \) and \( \triangle LMN \) and \( \text{ar}(\triangle ABC) : \text{ar}(\triangle LMN) = 4 : 9 \). If \( AB = 6 \text{ cm} \), \( BC = 8 \text{ cm} \) and \( AC = 12 \text{ cm} \), then \( ML \) is equal to:

\[\begin{align*}
\text{Ans} & \\
\times 1. & 18 \text{ cm} \\
\times 2. & 9 \text{ cm} \\
\times 3. & 6 \text{ cm} \\
\checkmark 4. & 12 \text{ cm} \\
\end{align*}\]

Q.19 Two articles are sold for \( \text{Rs} 62 \) each. On one, the seller gains 30% and on the other he loses 26%. What is his overall gain or loss percentage, nearest to one decimal place?

\[\begin{align*}
\text{Ans} & \\
\times 1. & 6.0\% \text{ gain} \\
\checkmark 2. & 5.7\% \text{ loss} \\
\times 3. & 5.7\% \text{ gain} \\
\times 4. & 6.0\% \text{ loss} \\
\end{align*}\]
Q.20 The Table shows the number of cars sold by three showrooms over a period of six years.

<table>
<thead>
<tr>
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<td>450</td>
<td>460</td>
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<td>540</td>
<td>430</td>
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</table>

What is the average number of cars sold by showroom A over the given six years (nearest to one decimal place)?

Ans 1. 586.7
2. 566.7
3. 594.7
4. 592.7

Question ID: 98958013620
Status: Not Answered
Chosen Option: --

Q.21 What is the value of \(x\) so that the seven digit number 8439\(x\)53 is divisible by 99?

Ans 1. 9
2. 4
3. 3
4. 6

Question ID: 98958013599
Status: Not Answered
Chosen Option: --

Q.22 The difference between compound interest and simple interest on \(₹x\) at 15% per annum for 2 years is \(₹9\). What is the value of \(x\)?

Ans 1. 600
2. 400
3. 450
4. 500

Question ID: 98958013606
Status: Not Answered
Chosen Option: --

Q.23 Walking at \(\frac{x}{5}\) of his usual speed, a person reaches his office 10 minutes later than the usual time. His usual time in minutes is:

Ans 1. 35
2. 27
3. 42
4. 30

Question ID: 98958013608
Status: Not Answered
Chosen Option: --

Q.24 Five cubes, each of edge 3 cm are joined end to end. What is the total surface area of the resulting cuboid, in cm\(^2\)?

Ans 1. 244
Section: English Comprehension

Q.1 Select the most appropriate option to substitute the underlined segment in the given sentence.

If no substitution is required, select No improvement.

How long you are living in this city?

Ans

1. are you live
2. are you been living
3. No improvement
4. have you lived

Q.2 Select the correct passive form of the given sentence.

They will put away their woollens after the festival of Holi.

Ans

1. Their woollens are being put away after the festival of Holi.
2. Their woollens have been put away after the festival of Holi.
3. Their woollens will be put away after the festival of Holi.
4. Their woollens are put away after the festival of Holi.

Q.3 Select the word which means the same as the group of words given.

liable to break easily

Ans

1. brittle
Q.4 Select the most appropriate synonym of the given word.

**INSULT**

Ans
- 1. remove  [X]
- 2. apply  [X]
- 3. offer  [X]
- 4. offend  [✓]

Q.5 Select the most appropriate option to fill in the blank.

I am quite satisfied that I have not been _______ in doing whatever was needful for building up their character.

Ans
- 1. negligent  [✓]
- 2. devoted  [X]
- 3. caring  [X]
- 4. affectionate  [X]

Q.6 Given below are four jumbled sentences. Select the option that gives their correct order.

A. He would sit at the edge of her mother's bed and stare into her crib.
B. Arvind bumbled down the interminable corridor, suddenly reminded of his daughter in the days after she was born.
C. As a proportion to the fragment of life his daughter had seen, an hour was a vast sprawling space.
D. Some days he would imagine the world through her eyes and he would feel in his heart how long an hour actually was.

Ans
- 1. BCDA  [X]
- 2. BADC  [✓]
- 3. DACB  [X]
- 4. ABCD  [X]

Q.7 Select the correctly spelt word.

Ans
- 1. mentoin  [X]
- 2. mention  [✓]
Q.8 Select the most appropriate option to substitute the underlined segment in the given sentence.

If no substitution is required, select No improvement.

The female ostrich guards the nest at night and the male guard it in the day.

Ans

1. guard it during the day.
2. guarding it during day.
3. guards it during the day.
4. No improvement

Q.9 Select the most appropriate antonym of the given word.

PROGRESSIVE

Ans

1. conservative
2. repeated
3. aristocratic
4. moving

Q.10 Select the word which means the same as the group of words given.

impossible to satisfy

Ans

1. satisfactory
2. satisfiable
3. contented
4. insatiable

Q.11 Select the correct active form of the given sentence.

Rudra was laughed at by all his friends when he wore his socks inside-out.

Ans

1. If Rudra wears his socks inside-out all his friends will laugh at him.
2. When Rudra wore his socks inside-out all his friends were laughing at him.
3. All his friends will be laughing at Rudra for wearing his socks inside-out.

4. All his friends laughed at Rudra when he wore his socks inside-out.

Q.12 Select the most appropriate option to fill in the blank.

Today, _____ society is literally poisoning the earth with acid rain.

Ans

1. cosmopolitan
2. developing
3. growing
4. industrialised

Q.13 Select the most appropriate meaning of the underlined idiom in the given sentence.

Let us have all the regulations in black and white.

Ans

1. painted in colour
2. printed in coloured ink
3. written on the black- board
4. in writing

Q.14 In the sentence identify the segment which contains the grammatical error.

Although there are more than a hundred known elements, they rarely occur at a pure state.

Ans

1. more than a hundred
2. Although there are
3. at a pure state
4. they rarely occur

Q.15 In the sentence identify the segment which contains the grammatical error.

You may left the class when you have completed the test.

Ans

1. the class
2. when you have
3. completed the test
4. You may left
Q.16 Given below are four jumbled sentences. Select the option that gives their correct order.

A. It is a popular tourist spot for watching the sunset and sunrise over the ocean.
B. Kanyakumari is a coastal town in the State of Tamil Nadu on India's southern tip.
C. It is also a noted pilgrimage site, thanks to its Bagavathi Amman Temple and Our Lady of Ransom Church, a centre of Indian Catholicism.
D. Jutting out into the Laccadive sea, the town was known as Cape Comorin during the British rule.

Ans

1. ACDB
2. DCAB
3. BDAC
4. BCDA

Q.17 Select the most appropriate meaning of the underlined idiom in the given sentence.

The invigilator did not know that the two boys were exchanging notes under his nose.

Ans

1. written in small letters
2. rolled into small pellets
3. wrapped in handkerchiefs
4. right in front of him

Q.18 Select the most appropriate synonym of the given word.

HOSTILITY

Ans

1. enmity
2. sympathy
3. goodwill
4. friendship

Q.19 Select the most appropriate antonym of the given word.

PUBLIC

Ans

1. common
2. ready
3. private
4. restricted
Q.20 Select the correctly spelt word.

Ans

1. sweatter  
2. scissors  
3. clettering  
4. teribble

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Marine Conservation Society is hosting the Anjarle Turtle festival 2019, aiming to make more people aware about Olive Ridley turtles. The sea (1) ______ get their names from their olive-coloured (2)______. They grow to about two feet in (3)______ and reportedly mate at around 1000 kilometers from the Anjarle (4)______. These turtles come to the beach to lay (5)______.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank No.(1)

Ans

1. snakes  
2. fish  
3. animal  
4. turtles

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Marine Conservation Society is hosting the Anjarle Turtle festival 2019, aiming to make more people aware about Olive Ridley turtles. The sea (1) _____ get their names from their olive-coloured (2)______. They grow to about two feet in (3)______ and reportedly mate at around 1000 kilometers from the Anjarle (4)______. These turtles come to the beach to lay (5)______.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank No.(2)

Ans

1. wings  
2. shells  
3. feathers  
4. beaks

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
Marine Conservation Society is hosting the Anjarle Turtle festival 2019, aiming to make more people aware about Olive Ridley turtles. The sea (1) ______ get their names from their olive-coloured (2)______ They grow to about two feet in (3)______ and reportedly mate at around 1000 kilometers from the Anjarle (4)______ These turtles come to the beach to lay (5)______.

**Comprehension:**

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**Question ID:** 98958012911
**Status:** Answered
**Chosen Option:** 1

**Q.23 Select the most appropriate option to fill in blank No.(3)**

**Ans**

- 1. length
- 2. growth
- 3. weight
- 4. depth

**Question ID:** 98958012912
**Status:** Answered
**Chosen Option:** 2

**Q.24 Select the most appropriate option to fill in blank No.(4)**

**Ans**

- 1. festival
- 2. beach
- 3. sea
- 4. sand

**Question ID:** 98958012913
**Status:** Answered
**Chosen Option:** 2
Q.1 Select the option that will fill in the blank and complete the given series.

2, 5, 10, 17, 26, 37, __, 65, 82, 101

Ans  
1. 54  
2. 48  
3. 50  
4. 51

Q.2 Arrange the following words in a logical and meaningful order:

1. Rajasthan  
2. India  
3. Jaipur  
4. North India  
5. Asia

Ans  
1. 1, 3, 2, 4, 5  
2. 1, 3, 4, 2, 5  
3. 3, 1, 2, 4, 5  
4. 3, 1, 4, 2, 5

Q.3 Three of the following four words are alike in a certain way and one is different. Pick the odd one out.

Ans  
1. Pedology  
2. Seismology  
3. Terminology  
4. Cardiology
Q.4  Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd number-pair out.

Ans

- 1. 196 : 14
- 2. 123 : 11
- 3. 225 : 15
- 4. 144 : 12

Question ID: 98958014037
Status: Answered
Chosen Option: 2

Q.5  If 'F' is coded as '20' and 'BAT' is coded as '46' then how will 'CRICKET' be coded?

Ans

- 1. 138
- 2. 158
- 3. 142
- 4. 140

Question ID: 98958014031
Status: Answered
Chosen Option: 1

Q.6  Select the option that is related to the third number in the same way as the second number is related to the first number.

19 : 400 :: 24 : __

Ans

- 1. 652
- 2. 566
- 3. 676
- 4. 625

Question ID: 98958014036
Status: Answered
Chosen Option: 4

Q.7  Given here is a square transparent sheet with a pattern on it. How would the pattern appear when the transparent sheet is folded on the dotted line?

Ans

- 1.
- 2.
Q.8  A cube coloured pink on all faces is cut into 27 small cubes of equal sizes. How many cubes are painted on one face only?

Ans

- 1. 4
- 2. 3
- 3. 8
- 4. 6

Q.9  Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

_c_b_d_c_b_d_a_a_d_b_a

Ans

- 1. bdbcbda
- 2. adabcd
- 3. cdebad
- 4. acbcad

Q.10  Select the term that will come next in the following series.

11, 13, 17, 23, 31, 41, 53, 67, 83, ?

Ans

- 1. 101
- 2. 97
- 3. 110
- 4. 100

Q.11
In a code language, FRIEND is written as GQ/DOC. How will PEACE be written in that language?

**Ans**

1. QDBDF
2. QDDBF
3. QFFBBF
4. QDBBF

**Q.12** Select the correct mirror image of the following word when the mirror is placed to the right of the word.

**HINT**

1. TINH
2. HINT
3. TINH
4. TINH

**Q.13** Select the word-pair in which the two words are related in the same way as the two words in the following word-pair.

**School : Student :: _____ : _____**

1. Hospital : Patient
2. Hotel : Chef
3. Court : Judge
4. College : Teacher

**Q.14** ACCIDENT is related to TNEICCDAA in the same way as PASSENGER is related to “_____”.

1. REGNSESAP
2. REGNESSAP
3. REGMESSAP
4. RGENESSAP

**Q.15** Select the figure in which the given figure is embedded.

**Ans**

[Diagram of a tree]
Q.16 Introducing Kavi, Veena said, “She is the sister of the son of the wife of my husband”. How is Veena related to Kavi?

Ans

1. Daughter
2. Sister
3. Mother
4. Aunt

Q.17 Which two signs should be interchanged to make the following equation correct?

\[20 \div 20 \div 20 \times 25 \times 25 = 419\]

Ans

1. \(\div\) and \(\times\)
2. \(\div\) and \(-\)
3. \(\div\) and \(+\)
4. \(\times\) and \(-\)

Q.18 Select the letter-cluster that is related to the third letter-cluster in the same way that the second letter-cluster is related to the first letter-cluster.

AFKP, BGLQ, CLQV, ?

Ans

1. HMRW
2. HNRW
3. HKRW
4. HMPW
Q.19 Three of the following four letters are alike in a certain way and one is different. Pick the odd one out.

Ans

1. E
√2. V
×3. I
×4. U

Question ID: 98958014026
Status: Answered
Chosen Option: 2

Q.20 How many triangles are there in the following figure?

Ans

√1. 15
×2. 12
×3. 10
×4. 9

Question ID: 98958014043
Status: Answered
Chosen Option: 2

Q.21 Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
No grass is a flower.
All flowers are trees.

Conclusions:
I. Some trees are flowers.
II. Some trees are grasses.
III. No tree is a grass.

Ans

×1. Only conclusion III follows
√2. Either conclusions II or III, and I follow
×3. Either conclusion II or III follows
×4. Only conclusion I follows

Question ID: 98958014034
Status: Answered
Chosen Option: 2

Q.22 Select the option that will fill in the blank and complete the given series.

0, 7, 26, 63, 124, 215, 342, 511, 728, ___

Ans

×1. 996
√2. 1001
Q.23 Select the figure that will come next in the following figure series.

Ans

1. 

2. 

3. 

4. 

Q.24 Choose the Venn diagram which best illustrates the relationship among the three given classes:

Fruit, Vegetable, Apple

Ans

1. 

2. 

3. 

4. 
Q.25 If you wrote down all the numbers from 1 to 99, then how many times would you have written “7”?

Ans

1. 19
2. 11
3. 21
4. 20

Q.1 The East India Company sent Captain William Hawkins to the court of Emperor _____ in 1608 to seek permission to open a factory at Surat.

Ans

1. Humayun
2. Shah Jahan
3. Akbar
4. Jahangir

Q.2 Wilson's disease is an inherited disorder in which excessive amounts of _____ accumulate in the body.

Ans

1. copper
2. calcium
3. iron
4. sodium

Q.3 _____ was the first Chief Election Commissioner of India.

Ans

1. Sukumar Sen
2. T N Seshan
3. Sunil Arora
4. M S Gill

Q.4 The approximate diameter of the sun is _____ times the diameter of Earth.

Ans

1. 92
2. 109
3. 146
4. 123
### Q.5 Name the westernmost point of India.

**Ans**

1. Amreli **(X)**
2. Dahod
3. Bharuch
4. Ghuar Mota **(✓)**

**Status:** Answered
**Chosen Option:** 2

### Q.6 The Ayushman Bharat Scheme introduced by the Government of India provides medical coverage of upto ₹ ____ per family per year.

**Ans**

1. 7 lakhs **(X)**
2. 5 lakhs **(✓)**
3. 2 lakhs
4. 1 lakh

**Status:** Answered
**Chosen Option:** 4

### Q.7 Name the smallest district in India.

**Ans**

1. Hailakandi **(X)**
2. Guntur
3. Alirajpur
4. Mahe **(✓)**

**Status:** Answered
**Chosen Option:** 2

### Q.8 _____ was named the cleanest city in the 'Swachh Survekshan Survey 2019'.

**Ans**

1. Mysuru **(X)**
2. Surat
3. Indore **(✓)**
4. Ujjain **(X)**

**Status:** Answered
**Chosen Option:** 3

### Q.9 What was the historical name of the city of Guwahati?

**Ans**

1. Purushapura **(X)**
2. Bhagyanagara
3. Machilipattnam
4. Pragjyotishpur **(✓)**

**Status:** Not Answered
**Chosen Option:** --
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
</table>
| Q.10 Which of the following is NOT a part of the 'Char Dham Yatra' in North India? Ans  
1. Badrinath  
2. Gangotri  
3. Vaishno Devi  
4. Kedarnath | Question ID: 98958014624  
Status: Marked For Review  
Chosen Option: 3 |
| Q.11 People above the age of _____ years are NOT eligible for the Pradhan Mantri Shram Yogi Mandhan Yojana. Ans  
1. 60  
2. 40  
3. 45  
4. 50 | Question ID: 98958014627  
Status: Not Answered  
Chosen Option: -- |
| Q.12 Name the oldest operating port in India built by the British East India Company. Ans  
1. Kolkata Port  
2. Chennai Port  
3. Mumbai Port  
4. Vishakapatnam Port | Question ID: 98958014634  
Status: Not Answered  
Chosen Option: -- |
| Q.13 The Khadi and Village Industries Commission Act was passed in the year ____. Ans  
1. 1956  
2. 1948  
3. 1964  
4. 1965 | Question ID: 98958014643  
Status: Not Answered  
Chosen Option: -- |
| Q.14 In 2015, aircraft maker Boeing developed a metal called ____, which is lighter than air and stronger than steel. Ans  
1. Titanium  
2. Molybdenum  
3. Microlattice  
4. Iridium | Question ID: 98958014631  
Status: Answered  
Chosen Option: 3 |
| Q.15 As of 2018, India is the leading milk producing country in the world, accounting for approximately _____ of the global market share. |
Q.16 The Pradhan Mantri Shram Yogi Mandhan Yojana ensures old age protection for unorganised workers whose monthly income is less than or equal to _____.

Ans
- 1. ₹ 10,000
- 2. ₹ 15,000
- 3. ₹ 20,000
- 4. ₹ 12,000

Q.17 Which team won the Ranji Trophy 2018-19?

Ans
- 1. Vidarbha
- 2. Karnataka
- 3. Saurashtra
- 4. Kerala

Q.18 During the Sao Joao festivities, Goans present ____ to each other.

Ans
- 1. fruits
- 2. flowers
- 3. beer
- 4. fish

Q.19 The movement of the local farmers of Bardoli in Gujarat against the British in 1928 was led by _____.

Ans
- 1. Vallabhbhai Patel
- 2. Lal Bahadur Shashtri
- 3. Lokmanya Tilak
- 4. Jawaharlal Nehru

Q.20 Who was the first Indian to win the Miss Universe title?

Ans
- 1. Madhu Sapre
- 2. Persis Khambatta

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Q.21 _____ is a hearing-impaired Indian golfer who won her first professional title at the age of 18. In March 2019, she became the second Indian woman golfer to win on the 'Ladies European Tour'.

Ans
1. Gursimar Badwal
2. Vani Kapoor
3. Aditi Ashok
4. Diksha Dagar

Q.22 The Micro, Small and Medium Enterprises Development Act was passed in the year ____.

Ans
1. 2006
2. 2004
3. 2008
4. 2002

Q.23 An adult human body has ____ bones.

Ans
1. 312
2. 206
3. 208
4. 300

Q.24 _____ is the hottest planet in the solar system.

Ans
1. Mercury
2. Mars
3. Venus
4. Earth

Q.25 The 'Instrument of Surrender' which ended the Portuguese rule in India was signed on ____.

Ans
1. 19th December 1961
2. 15th August 1947
3. 29th December 1951
Section: Quantitative Aptitude

Q.1 PA and PB are tangents to a circle with centre O, from a point P outside the circle, and A and B are points on the circle. If \( \angle APB = 40^\circ \), then \( \angle OAB \) is equal to:

Ans

1. 50°
2. 20°
3. 25°
4. 40°

Q.2 If \( \tan x = \cot(45^\circ + 2x) \), then what is value of \( x \)?

Ans

1. \( \frac{45^\circ}{2} \)
2. 20°
3. 15°
4. 45°

Q.3 If the radius of the circumcircle of an equilateral triangle is 8 cm, then the measure of radius of its incircle is:

Ans

1. 8 cm
2. 12 cm
3. 16 cm
4. 4 cm

Q.4 3 men, 4 women and 6 boys together can complete a work in 6 days. A woman does triple the work a man does and a boy does half the work a man does. How many women alone will be able to complete this work in 4 days?

Ans

1. 9
2. 6
3. 8
4. 7

Q.5
Table shows the percentage distribution of the expenditure incurred on different items for publishing a book:

<table>
<thead>
<tr>
<th>Item of expenditure</th>
<th>Percentage of expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper</td>
<td>20</td>
</tr>
<tr>
<td>Pricing</td>
<td>20</td>
</tr>
<tr>
<td>Binding</td>
<td>10</td>
</tr>
<tr>
<td>Royalty</td>
<td>10</td>
</tr>
<tr>
<td>Promotion</td>
<td>10</td>
</tr>
<tr>
<td>Transportation</td>
<td>10</td>
</tr>
</tbody>
</table>

Expenditure on Royalty is less than that on Printing by:

1. 20%
2. 25%
3. 15%
4. 10%

Q.6 If \( x + \frac{1}{x} = 5 \), then \( x^2 + \frac{1}{x^2} \) is equal to:

1. 110
2. 130
3. 125
4. 145

Q.7 What is the difference between a single discount of 30% and a single discount equivalent to two successive discounts of 25% and 5%, being given on shopping of ₹2,000?

1. ₹25
2. ₹15
3. ₹20
4. No difference

Q.8 \( 9 \frac{3}{4} \div [2 \frac{1}{6} \div (4 \frac{1}{3} - (2 \frac{1}{2} + \frac{3}{4}))] \) is equal to:

1. \( \frac{15}{4} \)
2. 3
3. \( \frac{39}{8} \)
4. 4

Q.9
Table shows the percentage of marks obtained by seven students in six different subjects in an examination. The numbers in the brackets are the maximum marks in each subject.

<table>
<thead>
<tr>
<th>Student</th>
<th>Math (100)</th>
<th>Chemistry (100)</th>
<th>Physics (100)</th>
<th>Geography (100)</th>
<th>History (100)</th>
<th>Computer Science (100)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90</td>
<td>90</td>
<td>80</td>
<td>90</td>
<td>80</td>
<td>60</td>
</tr>
<tr>
<td>B</td>
<td>100</td>
<td>90</td>
<td>90</td>
<td>80</td>
<td>70</td>
<td>80</td>
</tr>
<tr>
<td>C</td>
<td>90</td>
<td>90</td>
<td>70</td>
<td>90</td>
<td>70</td>
<td>80</td>
</tr>
<tr>
<td>D</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>E</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>50</td>
<td>60</td>
</tr>
<tr>
<td>F</td>
<td>70</td>
<td>75</td>
<td>65</td>
<td>80</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>G</td>
<td>65</td>
<td>75</td>
<td>65</td>
<td>80</td>
<td>60</td>
<td>60</td>
</tr>
</tbody>
</table>

What are the average marks obtained by all the seven students in Physics? (Correct to two decimal places)

Ans

1. 91.16
2. 93.14
3. 77.26
4. 89.14

Q.10

If \((x - 5)^3 + (x - 6)^3 + (x - 7)^3 = 3(x - 5)(x - 6)(x - 7)\), then what is the value of \(x\)?

Ans

1. 18
2. 6
3. 5
4. 7

Q.11

If \(a^2 - b^2 = 208\) and \(a - b = 4\), then \((a + b)^2 - ab\) is equal to:

Ans

1. 32
2. 38
3. 52
4. 42

Q.12

The average of 27 numbers is zero. Out of them, how many may be greater than zero, at the most?

Ans

1. 0
2. 15
3. 26
4. 20

Q.13

A starts walking at 4 kmph and after 4 hours, B starts cycling from the same point as that of A, in the same direction at 10 kmph. After how much distance from the starting point will B catch up with A? (Correct to two decimal places)?

Ans

1. 24.67 km
2. 26.67 km
3. 25.67 km
4. 23.67 km

Q.14 In ∆ABC, ∠A = 50°. Its sides AB and AC are produced to the point D and E. If the bisectors of the ∠CBD and ∠BCE meet at the point O, then ∠BOC will be equal to:

Ans
1. 65°
2. 75°
3. 40°
4. 55°

Q.15 If the selling price of 40 articles is equal to the cost price of 50 articles, then the percentage loss or gain is:

Ans
1. 25% gain
2. 25% loss
3. 20% gain
4. 20% loss

Q.16 The value of \[\sin^2 24° + \sin^2 66° + \sin^2 61° + \cos 61° \sin 29°\] is:

Ans
1. 3
2. 1
3. 2
4. 0

Q.17 If 85% of a number is added to 75, then the result is the number itself. The number is:

Ans
1. 500
2. 200
3. 300
4. 100

Q.18 If a sum amounts to ₹2,190 in four years and ₹2,409 in five years at compound interest, when the interest is compounded yearly, then the annual rate of interest is:

Ans
1. 8%
2. 10%
Q.19  A earns ₹180 per hour and works for 7 hours per day. B earns ₹160 per hour and works for 5 hours per day. What is the ratio of per day wages of A and B?

Ans  
1. 40 : 61
2. 33 : 20
3. 20 : 30
4. 63 : 40

Q.20  Table shows the sales of books (in thousands) from six branches of a publishing company during 2000 and 2001.

<table>
<thead>
<tr>
<th>Branch</th>
<th>B1</th>
<th>B2</th>
<th>B3</th>
<th>B4</th>
<th>B5</th>
<th>B6</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>80</td>
<td>75</td>
<td>95</td>
<td>65</td>
<td>75</td>
<td>80</td>
</tr>
<tr>
<td>2001</td>
<td>105</td>
<td>90</td>
<td>120</td>
<td>95</td>
<td>95</td>
<td>92</td>
</tr>
</tbody>
</table>

What is the total sales of books from branches B1, B3 and B6 together for both the years (in thousands)?

Ans  
1. 650
2. 240
3. 310
4. 540

Q.21  ABCD is a cyclic quadrilateral such that AB is the diameter of the circle circumscribing it and ∠ADC = 120°. Then, ∠BAC is equal to:

Ans  
1. 51°
2. 49°
3. 61°
4. 39°

Q.22  A sphere of radius 6 cm is melted and recast into spheres of radius 2 cm each. How many such spheres can be made?

Ans  
1. 27
2. 25
3. 36
4. 24
Q.23 Table shows the annual Expenditure of a Company (in Lakh Rupees) over the years.

<table>
<thead>
<tr>
<th>Year</th>
<th>Salary</th>
<th>Fuel and Transport</th>
<th>Rates</th>
<th>Interest on Loans</th>
<th>Taxes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1998</td>
<td>288</td>
<td>90</td>
<td>3.00</td>
<td>25.4</td>
<td>60</td>
</tr>
<tr>
<td>1999</td>
<td>342</td>
<td>112</td>
<td>3.02</td>
<td>32.5</td>
<td>108</td>
</tr>
<tr>
<td>2000</td>
<td>324</td>
<td>164</td>
<td>3.84</td>
<td>41.6</td>
<td>74</td>
</tr>
<tr>
<td>2001</td>
<td>336</td>
<td>133</td>
<td>3.68</td>
<td>36.4</td>
<td>88</td>
</tr>
<tr>
<td>2002</td>
<td>420</td>
<td>142</td>
<td>3.90</td>
<td>49.4</td>
<td>90</td>
</tr>
</tbody>
</table>

What is the average amount of Interest on loans (in Lakh rupees) which the company paid during the period 1998 to 2002?

Ans 1. 33.72
2. 34.18
3. 32.43
4. 36.66

Question ID: 98958013647
Status: Answered
Chosen Option: 4

Q.24 When an integer n is divided by 8, the remainder is 3. What will be the remainder if 6n - 1 is divided by 8?

Ans 1. 4
2. 1
3. 0
4. 2

Question ID: 98958013624
Status: Answered
Chosen Option: 2

Q.25 If $3\cos^2A - 7\sin^2A = 4$, then what is the value of $\cot A$, given that A is an acute angle?

Ans 1. 1
2. $\sqrt{3}$
3. $\frac{\sqrt{3}}{2}$
4. $\frac{1}{\sqrt{3}}$

Question ID: 98958013644
Status: Answered
Chosen Option: 2

Section: English Comprehension

Q.1 Select the most appropriate meaning of the underlined idiom in the given sentence.

The dog played in the pond to his heart's content.

Ans 1. only up to his legs
2. till he was completely sick
3. as much as he wanted to
4. avoiding getting too wet

Question ID: 98958012946
Status: Answered
Chosen Option: 3
Q.2 Given below are four jumbled sentences. Select the option that gives their correct order.

A. Once the formalities are done, you can start using your account and save time and money.
B. Opening a bank account can seem intimidating.
C. Getting your account opened is just a matter of providing certain details and funding your account.
D. Fortunately, most banks follow a standardized process.

Ans
1. BDCA
2. BADC
3. CBDA
4. ADBC

Q.3 Select the correctly spelt word.

Ans
1. jewlry
2. defnition
3. scramble
4. acceptence

Q.4 Select the word which means the same as the group of words given.

An instrument for measuring the atmospheric pressure

Ans
1. thermometer
2. altometer
3. barometer
4. ammeter

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Dusk sets in at the Varagaliar elephant camp deep within the Anamalai Tiger Reserve (ATR). It's dinner time for the 25-year-old tusker and he's (1)______ balls made of steamed ragi flour mixed (2)______ some rice, green gram, salt and jaggery. (3)______ are half-a-dozen Forest Department (4)______ around, including V. Ganesan, the Field Director (5)______ ATR.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank No.(1)

Ans
1. fed
2. feed
3. feeding
4. feeds

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Dusk sets in at the Varagaliar elephant camp deep within the Anamalai Tiger Reserve (ATR). It's dinner time for the 25-year-old tusker and he's (1)______ balls made of steamed ragi flour mixed (2)______ some rice, green gram, salt and jaggery. (3)______ are half-a-dozen Forest Department (4)______ around, including V. Ganesan, the Field Director (5)______ ATR.

SubQuestion No : 6
Q.6 Select the most appropriate option to fill in blank No.(2)
Ans  
1. from
2. of
3. with  
4. by

Question ID : 98958012936
Status : Answered
Chosen Option : 3

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Dusk sets in at the Varagaliar elephant camp deep within the Anamalai Tiger Reserve (ATR). It's dinner time for the 25-year-old tusker and he's (1)______ balls made of steamed ragi flour mixed (2)______ some rice, green gram, salt and jaggery. (3)______ are half-a-dozen Forest Department (4)______ around, including V. Ganesan, the Field Director (5)______ ATR.

SubQuestion No : 7
Q.7 Select the most appropriate option to fill in blank No.(3)
Ans  
1. Nowhere
2. There
3. Everywhere
4. Here

Question ID : 98958012937
Status : Answered
Chosen Option : 2

Comprehension:
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Dusk sets in at the Varagaliar elephant camp deep within the Anamalai Tiger Reserve (ATR). It's dinner time for the 25-year-old tusker and he's (1)______ balls made of steamed ragi flour mixed (2)______ some rice, green gram, salt and jaggery. (3)______ are half-a-dozen Forest Department (4)______ around, including V. Ganesan, the Field Director (5)______ ATR.

SubQuestion No : 8
Q.8 Select the most appropriate option to fill in blank No.(4)
Ans  
1. person
2. employee
3. ministers
4. officials

Question ID : 98958012938
Status : Answered
Chosen Option : 4
It's dinner time for the 25-year-old tusker and he's (1)______ balls made of steamed ragi flour mixed (2)______ some rice, green gram, salt and jaggery. (3)______ are half-a-dozen Forest Department (4)______ around, including V. Ganesan, the Field Director (5)______ ATR.

SubQuestion No : 9
Q.9 Select the most appropriate option to fill in blank No.(5)

Ans  
1. on
2. of
3. among
4. between

Question ID : 98958012939
Status : Answered
Chosen Option : 2

Q.10 In the sentence identify the segment which contains the grammatical error.

Entering the hall, the show had started.

Ans  
1. had started
2. the show
3. Entering
4. the hall

Question ID : 98958012929
Status : Marked For Review
Chosen Option : 3

Q.11 Select the most appropriate option to substitute the underlined segment in the given sentence.

If no substitution is required, select No improvement.

Scarcely had he gone out than a client came to meet him.

Ans  
1. he had gone out than
2. No improvement
3. he had go out when
4. had he gone out when

Question ID : 98958012933
Status : Answered
Chosen Option : 4

Q.12 Select the most appropriate synonym of the given word.

ATTRIBUTE

Ans  
1. respect
2. speech
3. praise
4. quality

Question ID : 98958012943
Status : Answered
Chosen Option : 4

Q.13 Select the most appropriate antonym of the given word.

DEFICIT

Ans  
1. adhere
2. credit
Q.14 Select the most appropriate option to fill in the blank.

Colours, they say have the power to calm, pacify and relax; they can energise, activate and _______.

Ans

- 1. envigorate
- 2. involve
- 3. interest
- 4. enrage

Question ID: 98958012944
Status: Answered
Chosen Option: 3

Q.15 Select the most appropriate option to substitute the underlined segment in the given sentence.

If no substitution is required, select No improvement.

An old misunderstanding exists among the two families, so they are not friendly any more.

Ans

- 1. has exist within the two families
- 2. No improvement
- 3. exists between the two families
- 4. will exist among the two families

Question ID: 98958012953
Status: Answered
Chosen Option: 1

Q.16 In the sentence identify the segment which contains the grammatical error.

"I done a lot of work today," she said.

Ans

- 1. a lot of
- 2. she said
- 3. I done
- 4. work today

Question ID: 98958012928
Status: Answered
Chosen Option: 3

Q.17 Select the most appropriate meaning of the underlined idiom in the given sentence.

"These glasses suit you to a T," said Ria to Vandana.

Ans

- 1. look very good on your face
- 2. are not suitable for your work
- 3. make you look weird
- 4. need to be worn with a suit

Question ID: 98958012947
Status: Answered
Q.18 Select the most appropriate synonym of the given word.

FUSE (Verb)

Ans

1. correct

2. unused

3. break

4. combine

Q.19 Select the correct active form of the given sentence.

Dinesh was looked after by his grandmother when his parents went abroad.

Ans

1. Dinesh’s grandmother looks after him when his parents went abroad.

2. Dinesh’s grandmother looked after him when his parents went abroad.

3. Dinesh’s grandmother looked after him when his parents went abroad.

4. Dinesh’s grandmother was looking after him when his parents went abroad.

Q.20 Select the most appropriate antonym of the given word.

ILLUMINATE

Ans

1. add

2. erase

3. light

4. darken

Q.21 Select the correctly spelt word.

Ans

1. chooze

2. chooj

3. chuse

4. choose

Q.22 Select the correct passive form of the given sentence.

Ananya plucks fresh flowers from the garden every day.

Ans

1. Fresh flowers have been plucked by Ananya from the garden every day.

2. Fresh flowers were plucked by Ananya from the garden every day.

3. Fresh garden is plucked by Ananya from the flowers every day.

4. Fresh flowers are plucked by Ananya from the garden every day.
Q.23 Given below are four jumbled sentences. Select the option that gives their correct order. www.exammix.com

A. A man on a bike had to ride on the pavement.
B. When he tried to plunge onto the road, a car hit him.
C. As the bus inched through the evening life, the traffic grew.
D. There was no space on the road any more.

Ans
1. CBAD
2. DBCA
3. ADBC
4. CDAB

Q.24 Select the most appropriate option to fill in the blank.

In ancient Greece, women were not allowed to _______ in the Olympic Games.

Ans
1. compete
2. collide
3. comply
4. cope

Q.25 Select the word which means the same as the group of words given.

The part of a country's government responsible for its legal system

Ans
1. judiciary
2. legislature
3. police
4. executive

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