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FOR SSC CGL EXAM PREPARATION

SSC CGL 2023 Question Paper · Tier 1 Exam All Shifts (in English)

EXAM	YEAR	TYPE	SUBJECT
SSC CGL	2023	Question Paper	Tier 1 Exam All Shifts (in English)

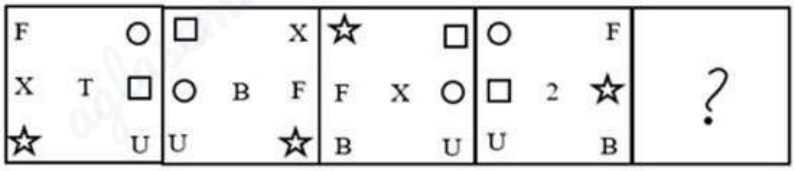
DATE
25 Jul

Combined Graduate level Examination 2023 Tier I

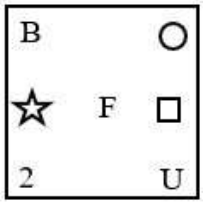
Roll Number	
Candidate Name	
Exam Date	25/07/2023
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination Tier I 2023

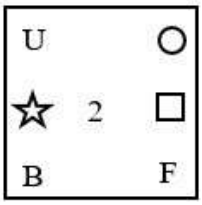
Section : **General Intelligence and Reasoning**

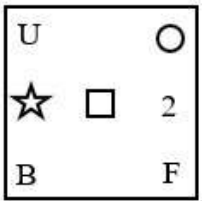
Q.1 Select the figure that will replace the question mark (?) in the following figure series.

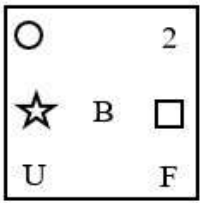


Ans

1. 

2. 

3. 

4. 

Question ID : **264330143835**
Status : **Not Answered**
Chosen Option : **--**

Q.2 **Which two signs and two numbers should be interchanged to make the following equation correct?**
784 ÷ 6 × 9 − 30 + 14 = 528

Ans

✔ 1. 14 and 6, + and –

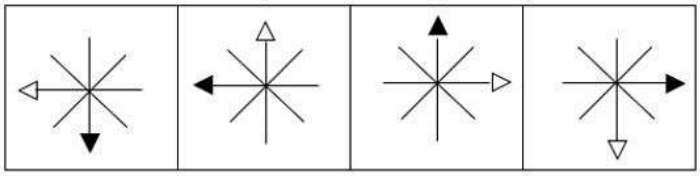
✗ 2. 784 and 30, + and ×

✗ 3. 784 and 6, × and –

✗ 4. 9 and 6, ÷ and +

Question ID : **264330122146**
Status : **Answered**
Chosen Option : **1**

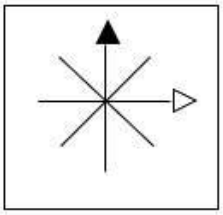
Q.3 Which of the given figures when placed in the 5th position would continue the series that is established by the first four figures?



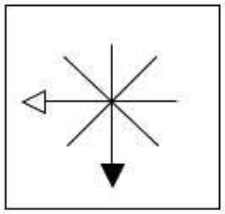
1 2 3 4

Ans

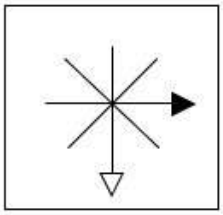
✗ 1.



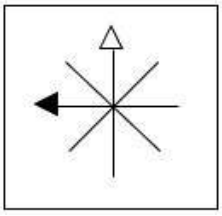
✔ 2.



✗ 3.



✗ 4.

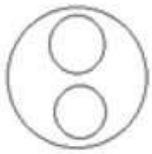


Question ID : **26433087312**
Status : **Answered**
Chosen Option : **2**

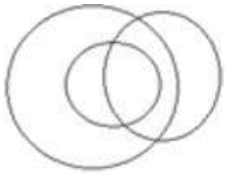
Q.4 **Select the Venn diagram that best illustrates the relationship between the following classes.**
Graduates, Educated, Unemployed

Ans

✗ 1.



✓ 2.



✗ 3.

✗ 4.

Question ID : **26433090912**
Status : **Answered**
Chosen Option : **2**

Q.5 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**
1. Monorail
2. Monument
3. Monopoly
4. Monster
5. Monitor
6. Monsoon

Ans

✗ 1. 3, 1, 6, 4, 2, 5

✗ 2. 5, 1, 3, 6, 4, 2

✗ 3. 5, 3, 1, 4, 6, 2

✓ 4. 5, 3, 1, 6, 4, 2

Question ID : **264330132174**
Status : **Answered**
Chosen Option : **4**

Q.6 **Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter cluster.**
DISMAY : SIDYAM :: DRIVER : IRDREV :: SAFARI : ?

Ans

✗ 1. SAFIAR

✗ 2. IRAFAS

✓ 3. FASIRA

✗ 4. FSAIRA

Question ID : **26433090880**
Status : **Answered**
Chosen Option : **3**

Q.7 **Looking at the family picture, Rajan said, "She is my wife's son's father's mother's husband's daughter.' How is the girl in the photo related to Rajan?**

Ans

✔ 1. Sister

✘ 2. Mother-in-law

✘ 3. Wife's Sister

✘ 4. Daughter-in-law

Question ID : **264330122393**
Status : **Answered**
Chosen Option : **1**

Q.8 Select the correct mirror image of the given figure when the mirror is placed at PQ as shown below.

Ans

✘ 1.

✘ 2.

✘ 3.

✔ 4.

Question ID : **26433080767**
Status : **Answered**
Chosen Option : **4**

Q.9 **Three 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 pens are newspapers.
Some newspapers are novels.
No novel is a book.

Conclusions:
I. Some books are pens.
II. Some novels are pens.
III. No book is a pen.

Ans

✔ 1. Either conclusion I or III follows.

✘ 2. Both conclusions II and III follow.

✘ 3. Either conclusion II or III follows.

✘ 4. Both conclusions I and II follow.

Question ID : **26433093150**
Status : **Answered**
Chosen Option : **1**

Q.10 Select the set in which the numbers are related in the same way as are the numbers of the given sets.
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /Subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)
(9, 20, 31)
(38, 49, 60)

Ans
1. (63, 60, 65)
2. (15, 20, 31)
3. (25, 69, 45)
4. (14, 24, 34)

Question ID : **264330130204**
Status : **Answered**
Chosen Option : **4**

Q.11 Select the set in which the numbers are related in the same way as are the numbers of the following set.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits.)

(7, 150, 23)
(11, 75, 4)

Ans
1. (4, 108, 16)
2. (8, 90, 11)
3. (9, 80, 11)
4. (15, 140, 13)

Question ID : **26433069230**
Status : **Answered**
Chosen Option : **4**

Q.12 In a certain code language, 'RAT' is coded as '39' and 'MICE' is coded as '30'. How will 'ZEBRA' be coded in that language?

Ans
1. 53
2. 52
3. 51
4. 50

Question ID : **264330129681**
Status : **Answered**
Chosen Option : **2**

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. ONL
2. RQO
3. HGE
4. DCB

Question ID : **26433069010**
Status : **Answered**
Chosen Option : **4**

Q.14 **Which letter-cluster will replace the question mark (?) to complete the given series?**
BZVR, DXWQ, ?, HTYO, JRZN

Ans

✗ 1. FXPV

✗ 2. FXPN

✓ 3. FVXP

✗ 4. FVPX

Question ID : **26433076670**
Status : **Answered**
Chosen Option : **3**

Q.15 **Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.**
Z Y R _ Z _ R R Z Y _ R _ Y R _

Ans

✓ 1. R Y R Z R

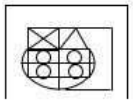
✗ 2. Z R Y Z R

✗ 3. R Z R Y Z

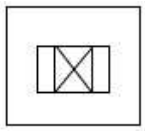
✗ 4. Z R R Y Z

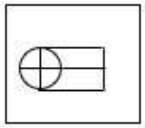
Question ID : **264330143729**
Status : **Answered**
Chosen Option : **1**

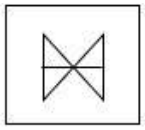
Q.16 Select the option figure which is embedded in the given figure (rotation is NOT allowed).

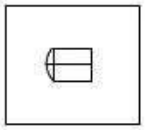


Ans

✗ 1. 

✗ 2. 

✗ 3. 

✓ 4. 

Question ID : **26433090084**
Status : **Answered**
Chosen Option : **4**

Q.17 **The second number in the given number-pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) is/are followed in all the number-pairs except one. Find that odd number-pair.**

Ans

✗ 1. 128 : 8

✗ 2. 288 : 12

✓ 3. 350 : 15

✗ 4. 18 : 3

Question ID : **264330143708**
Status : **Answered**
Chosen Option : **3**

Q.18 **Study the given pattern carefully and select the number that can replace the question mark (?) in it.**
First row: 16, 15, 35
Second row: 12, 18, 33
Third row: 8, 17, ?
(NOTE: Operations should be performed on the whole numbers, without breaking down the number into its constituent digits. For example, 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans

✗ 1. 31

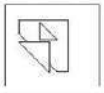
✓ 2. 27

✗ 3. 25

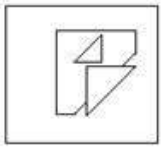
✗ 4. 30

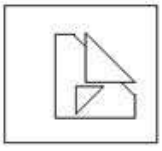
Question ID : **264330143713**
Status : **Not Answered**
Chosen Option : **--**

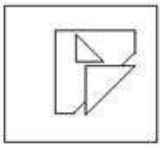
Q.19 Select the correct mirror image of the given figure when the mirror is placed at the right side of the figure.

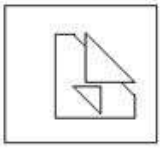


Ans

✓ 1. 

✗ 2. 

✗ 3. 

✗ 4. 

Question ID : **26433068186**
Status : **Answered**
Chosen Option : **1**

Q.20 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.
1029 : 7 :: 2187 : 9 :: 24 : ?

Ans
✗ 1. 3
✓ 2. 2
✗ 3. 6
✗ 4. 4

Question ID : **26433085826**
Status : **Answered**
Chosen Option : **2**

Q.21 Each vowel in the word "FOREFOOT" is changed to the following letter in the English alphabetical series and each consonant is changed to the previous letter in the English alphabetical series. In the newly formed word, how many alphabets are there in the English alphabetical series between the alphabet which is 2nd from the left and 1st from the right?

Ans
✗ 1. Three
✓ 2. Two
✗ 3. One
✗ 4. Four

Question ID : **264330132075**
Status : **Answered**
Chosen Option : **2**

Q.22 Which of the following numbers will replace the question mark (?) in the given series?
27, 38, ?, 68, 87, 110

Ans
✗ 1. 47
✗ 2. 50
✓ 3. 51
✗ 4. 53

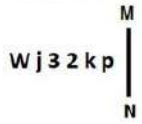
Question ID : **26433090927**
Status : **Answered**
Chosen Option : **3**

Q.23 In a certain code language, 'CAKE' is written as '6874', 'EASY' is written as '4882'. How will 'MAKE' be written in that language?

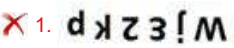
Ans
✗ 1. 5875
✓ 2. 5874
✗ 3. 5884
✗ 4. 5774

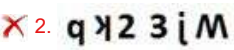
Question ID : **26433091588**
Status : **Answered**
Chosen Option : **2**

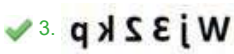
Q.24 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

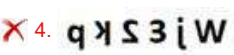


Ans

✗ 1. 

✗ 2. 

✓ 3. 

✗ 4. 

Question ID : **26433056997**
Status : **Answered**
Chosen Option : **4**

Q.25 **Which two signs should be interchanged to make the given equation correct?**

3 × 12 − 6 ÷ 2 + 12 = 16

Ans

✗ 1. ÷ and +

✗ 2. × and ÷

✓ 3. − and ÷

✗ 4. − and +

Question ID : **264330120858**
Status : **Answered**
Chosen Option : **3**

Section : **General Awareness**

Q.1 **As per the Census data, What was the density of population in India in 2011?**

Ans

✗ 1. 822 persons/sq km

✓ 2. 382 persons/sq km

✗ 3. 328 persons/sq km

✗ 4. 282 persons/sq km

Question ID : **264330144079**
Status : **Answered**
Chosen Option : **3**

Q.2 **Who among the following was the Maharana of Mewar and composed a book on music called 'Sangeet Raj'?**

Ans

✗ 1. Maharana Sanga

✗ 2. Maharana Pratap

✓ 3. Maharana Kumbha

✗ 4. Maharana Udai Singh

Question ID : **26433074128**
Status : **Answered**
Chosen Option : **4**

Q.3 How many silver medals was won by India in Tokyo Paralympic 2020?

Ans
✗ 1. 7
✗ 2. 6
✓ 3. 8
✗ 4. 5

Question ID : **264330109679**
Status : **Answered**
Chosen Option : **2**

Q.4 Match the columns.

Column-A (Common name)	Column-B (Group number in the Modern Periodic Table)
i. Alkali metals	a. 18
ii. Alkaline earth metals	b. 17
iii. Halogens	c. 2
iv. Noble gases	d. 1

Ans
✗ 1. i-a, ii-b, iii-c, iv-d
✗ 2. i-a, ii-c, iii-b, iv-d
✗ 3. i-b, ii-a, iii-c, iv-d
✓ 4. i-d, ii-c, iii-b, iv-a

Question ID : **264330110027**
Status : **Answered**
Chosen Option : **4**

Q.5 Pectin, which is responsible for the firmness and softness of fruits, is mainly composed of which acid unit?

Ans
✗ 1. Aspartic acid
✓ 2. Galacturonic acid
✗ 3. Lactic acid
✗ 4. Glutamic acid

Question ID : **264330110097**
Status : **Answered**
Chosen Option : **4**

Q.6 Sporophyte stage is dominant in which plant group?

Ans
✗ 1. Bryophytes
✓ 2. Vascular plants
✗ 3. Algae
✗ 4. Pteridophytes

Question ID : **26433071438**
Status : **Not Answered**
Chosen Option : **--**

Q.7 The country can improve its balance of payments by devaluation when the sum of elasticity of demand for exports and imports is _____.

Ans
✗ 1. less than unity
✗ 2. equal to unity
✓ 3. greater than unity
✗ 4. zero

Question ID : **264330109993**
Status : **Answered**
Chosen Option : **1**

Q.8 **_____ became India's first sports unicorn with its market cap having touched a high of Rs.7,600 crores as of 30 January 2022.**

Ans
✗ 1. Delhi Capitals
✗ 2. Kolkata Knight Riders
✗ 3. Mumbai Indians
✓ 4. Chennai Super Kings

Question ID : **26433054452**
Status : **Answered**
Chosen Option : **4**

Q.9 **Which of the following committees was constituted to study the issues and concerns in the Micro Finance Institution in 2010?**

Ans
✗ 1. Ghosh Committee
✗ 2. Sivaraman Committee
✓ 3. Malegam Committee
✗ 4. Khan Committee

Question ID : **264330109360**
Status : **Answered**
Chosen Option : **2**

Q.10 **India borrowed the DPSP from the _____ Constitution.**

Ans
✗ 1. Australian
✓ 2. Irish
✗ 3. German
✗ 4. Austrian

Question ID : **264330110797**
Status : **Answered**
Chosen Option : **2**

Q.11 **Tamladu is a festival celebrated by the Buddhist community of which Indian state?**

Ans
✗ 1. Karnataka
✓ 2. Arunachal Pradesh
✗ 3. Madhya Pradesh
✗ 4. Himachal Pradesh

Question ID : **264330109620**
Status : **Answered**
Chosen Option : **4**

Q.12 **Iron mines in Jharkhand attributed to the rise of which of the following kingdoms in ancient India?**

Ans
✗ 1. Kuru
✓ 2. Magadha
✗ 3. Kashi
✗ 4. Kushan

Question ID : **264330118946**
Status : **Answered**
Chosen Option : **2**

Q.13 Which of the following statements is INCORRECT about granite?

Ans
✗ 1. Granite is the most abundant rock in the continental crust.
✓ 2. It is the most common sedimentary rock.
✗ 3. These are igneous rocks that form when hot, molten rock crystallises and solidifies.
✗ 4. Granite is composed mainly of quartz and feldspar with minor amounts of mica.

Question ID : **264330109950**
Status : **Answered**
Chosen Option : **2**

Q.14 'Luddi' is a folk dance of which of the following states of India?

Ans
✗ 1. Manipur
✓ 2. Punjab
✗ 3. Madhya Pradesh
✗ 4. Kerala

Question ID : **26433094872**
Status : **Answered**
Chosen Option : **2**

Q.15 Commonwealth Games 2022 was held in _____.

Ans
✓ 1. Birmingham
✗ 2. Beijing
✗ 3. Tokyo
✗ 4. New Delhi

Question ID : **264330110345**
Status : **Answered**
Chosen Option : **1**

Q.16 'Back to Vedas' was the slogan of which Reform Movement?

Ans
✗ 1. Dev Samaj
✗ 2. Brahmo Samaj
✗ 3. Prarthana Samaj
✓ 4. Arya Samaj

Question ID : **264330109056**
Status : **Answered**
Chosen Option : **4**

Q.17 Which among the following statements about judicial review in India are correct?
A. Judicial review means that the courts of law have the power of testing the validity of legislative as well as other governmental action with reference to the provisions of the Constitution.
B. Under Article 23 of the Indian Constitution, the compulsion of judicial review was described in the Fundamental Rights in Part III.
C. The power of judicial review is significantly vested upon the High Courts and the Supreme Court of India.

Ans
✗ 1. A and B only
✗ 2. B and C only
✓ 3. A and C only
✗ 4. A, B and C

Question ID : **264330114786**
Status : **Not Answered**
Chosen Option : **--**

Q.18 The Ministry of Education (MoE) in February 2022 approved a new scheme _____ for the next five years to cover all the aspects of adult education to align with new the National Education Policy (NEP).

Ans
✗ 1. Open Education Programme
✗ 2. ASHA
✗ 3. New India Education Plan
✓ 4. New India Literacy Programme

Question ID : **26433081867**
Status : **Answered**
Chosen Option : **2**

Q.19 According to India State of Forest Report 2019, what is the total forest cover in India?

Ans
✗ 1. 20.87%
✓ 2. 21.67%
✗ 3. 24.67%
✗ 4. 23.67%

Question ID : **264330116475**
Status : **Answered**
Chosen Option : **2**

Q.20 'Ras-Lila' recognised as one of the classical dance forms of India belongs to which of the following states?

Ans
✗ 1. Assam
✗ 2. Meghalaya
✗ 3. Tripura
✓ 4. Manipur

Question ID : **26433064792**
Status : **Answered**
Chosen Option : **1**

Q.21 The Viceroy who took keen interest in the restoration and protection of historical monuments was _____.

Ans
✗ 1. Lord Ellenborough
✗ 2. Lord Auckland
✗ 3. Lord Lytton
✓ 4. Lord Curzon

Question ID : **264330132680**
Status : **Answered**
Chosen Option : **1**

Q.22 The Amara-Nayakas were _____ in Vijayanagara Empire.

Ans
✗ 1. forced labourers
✗ 2. finance officers
✗ 3. ordinary peasants
✓ 4. military commanders

Question ID : **264330111383**
Status : **Answered**
Chosen Option : **2**

Q.23 What is the colour of the flame when unsaturated hydrocarbons burn?

Ans
✗ 1. Blue
✗ 2. Red
✗ 3. Green
✓ 4. Yellow

Question ID : **264330134863**
Status : **Answered**
Chosen Option : **4**

Q.24 The 'Jal Kranti Abhiyan' was launched by which government during the financial year 2015-2016?

Ans
✗ 1. Government of Punjab
✗ 2. Government of Haryana
✓ 3. Government of India
✗ 4. Government of Uttar Pradesh

Question ID : **264330116455**
Status : **Not Answered**
Chosen Option : **--**

Q.25 Who among the following Supreme Court judges was in news in 2022 for recusing himself from hearing a plea against the ED chief's tenure extension?

Ans
✗ 1. Justice KM Joseph
✗ 2. Justice Ajay Rastogi
✓ 3. Justice SK Kaul
✗ 4. Justice Mukesh Shah

Question ID : **264330132971**
Status : **Answered**
Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 The simple interest on a certain sum at the rate of 12.5% per annum for 6 years is ₹13,500 less than the principal. Find the simple interest.

Ans
✗ 1. ₹13,500
✗ 2. ₹54,000
✗ 3. ₹40,000
✓ 4. ₹40,500

Question ID : **264330111477**
Status : **Answered**
Chosen Option : **4**

Q.2 Using $\text{cosec}(\alpha+\beta)=\frac{\sec\alpha\times\sec\beta\times\text{cosec}\alpha\times\text{cosec}\beta}{\sec\alpha\times\text{cosec}\beta+\text{cosec}\alpha\times\sec\beta}$, find the value of $\text{cosec}75°$.

Ans
✗ 1. $\frac{\sqrt{6}+\sqrt{2}}{4}$

✗ 2. $\frac{\sqrt{6}-\sqrt{2}}{4}$

✓ 3. $\sqrt{6}-\sqrt{2}$

✗ 4. $\sqrt{6}+\sqrt{2}$

Question ID : **264330143529**
Status : **Answered**
Chosen Option : **3**

Q.3 **Ram has an average score of 65 runs in 19 innings in cricket matches. Find out how many runs are to be scored by him in the 20^{th} innings to raise the average score to 67.**

Ans
✗ 1. 135

✓ 2. 105

✗ 3. 115

✗ 4. 195

Question ID : **264330130068**
Status : **Answered**
Chosen Option : **2**

Q.4 **A metallic cube has each of its side of length 12 cm. It is melted and recast into three small cubes. Out of these cubes, two have their sides as 6 cm and 8 cm, respectively. The length of each side of the third cube is:**

Ans
✗ 1. 7 cm

✗ 2. 9 cm

✓ 3. 10 cm

✗ 4. 5 cm

Question ID : **26433075486**
Status : **Answered**
Chosen Option : **3**

Q.5 **A policeman starts chasing a thief when he was already 600 m ahead. If the policeman is running at a speed of 9 km/h and the thief at 8 km/h, then the thief would be caught at a distance of:**

Ans
✗ 1. 6.5 km

✗ 2. 6 km

✗ 3. 5 km

✓ 4. 5.4 km

Question ID : **26433099012**
Status : **Answered**
Chosen Option : **4**

Q.6 **A shopkeeper bought certain number of apples for Rs.3,600. He sold one-fifth of them at a loss of 10%, one-fourth of the remaining apples at a loss of 5%, and two-third of the rest at a profit of 15%. At what price (in Rs.) should he sell the remaining apples to earn a profit of 27% overall?**

Ans
✗ 1. 1,548
✓ 2. 1,584
✗ 3. 1,845
✗ 4. 1,864

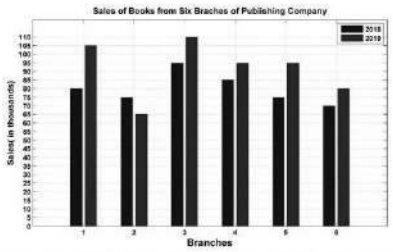
Question ID : **26433081068**
Status : **Not Answered**
Chosen Option : **--**

Q.7 **4 men and 6 women can complete a work in 8 days, while 3 men and 7 women can complete it in 10 days. In how many days will 25 women complete it?**

Ans
✗ 1. 20
✓ 2. 16
✗ 3. 25
✗ 4. 18

Question ID : **264330126594**
Status : **Answered**
Chosen Option : **2**

Q.8 The following bar graph shows the sales of books (in thousands) from six branches of a publishing company during two consecutive years 2018 and 2019.



Total sales of 6th branch for both the years is what percentage of the total sales of 3rd branch for both the years? (rounded

Ans
✓ 1. 73.17%
✗ 2. 65.29%
✗ 3. 68.25%
✗ 4. 62.23%

Question ID : **26433082420**
Status : **Answered**
Chosen Option : **1**

Q.9 **Find the remainder when $8^8 + 6$ is divided by 7.**

Ans
✓ 1. 0
✗ 2. 2
✗ 3. 3
✗ 4. 1

Question ID : **264330129916**
Status : **Answered**
Chosen Option : **1**

Q.10 What value of 'y' will satisfy the following equation?

$$\frac{3y}{1+\frac{1}{1+\frac{y}{1-y}}} = 2$$

Ans

✗ 1. $\frac{2}{3}$

✗ 2. $\frac{5}{4}$

✓ 3. $\frac{4}{5}$

✗ 4. $\frac{3}{2}$

Question ID : **264330131492**
Status : **Answered**
Chosen Option : **3**

Q.11 In a division sum, the divisor is 13 times the quotient and 6 times the remainder. If the remainder is 39, then the dividend is:

Ans

✗ 1. 4240

✗ 2. 4576

✓ 3. 4251

✗ 4. 4800

Question ID : **264330145550**
Status : **Answered**
Chosen Option : **3**

Q.12 If tan α = 6, then sec α equals to:

Ans

✗ 1. $\sqrt{7}$

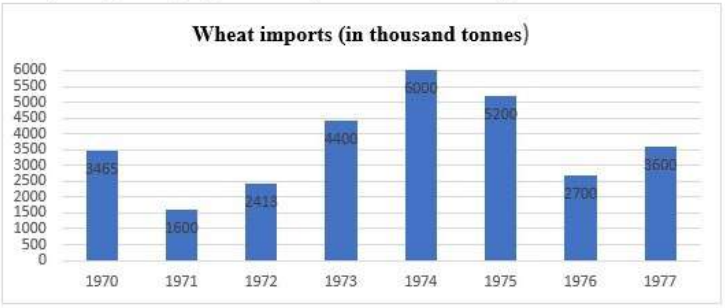
✗ 2. $\sqrt{5}$

✓ 3. $\sqrt{37}$

✗ 4. $\sqrt{35}$

Question ID : **264330143601**
Status : **Answered**
Chosen Option : **3**

Q.13 Study the given graph carefully and answer the question that follows.



The imports in 1977 were approximately how many times that of the year 1976?

Ans

✗ 1. 1.11

✗ 2. 1.22

✓ 3. 1.33

✗ 4. 1.44

Question ID : **264330122572**
Status : **Answered**
Chosen Option : **3**

Q.14 In the following figure, there are two circles that touch each other externally. The radius of the first circle with centre P is 25 cm. The radius of the second circle with centre Q is 4 cm. Find the length of their direct common tangent AB.

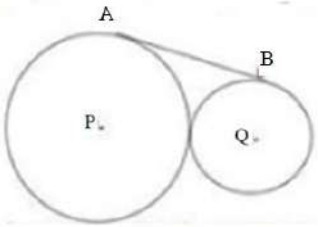


Figure is not to scale and is only for representational purpose

Ans

✗ 1. 21 cm

✗ 2. 18 cm

✓ 3. 20 cm

✗ 4. 22 cm

Question ID : **264330143518**
Status : **Answered**
Chosen Option : **3**

Q.15 If $(y - \frac{1}{y}) = 4$, find the value of $(y^6 + \frac{1}{y^6})$.

Ans

✗ 1. 5774

✗ 2. 4096

✗ 3. 5776

✓ 4. 5778

Question ID : **264330114539**
Status : **Answered**
Chosen Option : **4**

Q.16 The following formula is used to calculate which of the following?

$$\frac{\text{Angle of arc at centre}}{360^\circ} \times \pi \times \text{diameter}$$

Ans
✗ 1. Length of a sector
✗ 2. Area of an arc
✗ 3. Radius of a circle
✓ 4. Length of an arc

Question ID : **26433075086**
Status : **Answered**
Chosen Option : **4**

Q.17 **A thief seeing a policeman from a distance of 400 m started running at a speed of 16 km/h. The policeman chased him immediately with a speed of 18 km/h and the thief was caught. What is the distance run by the thief before he was caught by the policeman?**

Ans
✓ 1. 3200 m
✗ 2. 3230 m
✗ 3. 3240 m
✗ 4. 3220 m

Question ID : **264330143483**
Status : **Answered**
Chosen Option : **1**

Q.18 **A group of men decided to do a job in 13 days but 9 men left the work after each day. The work, as a result, got completed in 16 days. How many men were initially in the group?**

Ans
✗ 1. 378
✓ 2. 360
✗ 3. 330
✗ 4. 380

Question ID : **264330133626**
Status : **Not Answered**
Chosen Option : **--**

Q.19 **Applied to a bill for ₹50,000, the difference between a discount of 40% and two successive discounts of 36% and 4%,is :**

Ans
✗ 1. ₹875
✗ 2. ₹1,440
✗ 3. ₹1,250
✓ 4. ₹720

Question ID : **264330104183**
Status : **Answered**
Chosen Option : **4**

Q.20 **Raju and Rajat working together take 5 days to complete a piece of work. If Raju alone can do this work in 7 days, how long would Rajat take to complete the same work?**

Ans

✗ 1. 18 days

✗ 2. 16.5 days

✗ 3. 17 days

✓ 4. 17.5 days

Question ID : **264330118511**
Status : **Answered**
Chosen Option : **4**

Q.21 Out of the total toffees, $\frac{1}{10}$ are wasted. 35% of the rest are given to S and $\frac{1}{8}$ of the total are given to N. If the toffees with N are 10 more than the wasted toffees, then how many toffees were given to S?

Ans

✓ 1. 126

✗ 2. 150

✗ 3. 110

✗ 4. 135

Question ID : **26433085439**
Status : **Answered**
Chosen Option : **1**

Q.22 **A field is 150 m long and 80 wide. How many times (rounded off to 1 decimal place) is its perimeter to the length of its diagonal?**

Ans

✗ 1. 2.3

✗ 2. 2.5

✓ 3. 2.7

✗ 4. 3.1

Question ID : **264330103542**
Status : **Answered**
Chosen Option : **3**

Q.23 **When two circles of radii r_1 and r_2 have their centres at a distance d apart, then length of the common transverse tangent is:**

Ans

✗ 1. $\sqrt{d^2-(r_1-r_2)^2}$

✗ 2. $\sqrt{d^2+(r_1-r_2)^2}$

✗ 3. $\sqrt{d-(r_1-r_2)^2}$

✓ 4. $\sqrt{d^2-(r_1+r_2)^2}$

Question ID : **26433083067**
Status : **Answered**
Chosen Option : **4**

Q.24 If $\cot A = 1$, $\sin B = \frac{1}{\sqrt{2}}$, then find the value of $\sin(A + B) - \cot(A + B)$.

Ans
1. $1 - \sqrt{2}$
2. $\frac{1}{2}$
3. 0
4. 1

Question ID : **264330130046**
Status : **Answered**
Chosen Option : **4**

Q.25 If $x^2 - 15x + 1 = 0$, what is the value of $x^4 - 223x^2 + 6$?

Ans
1. 9
2. 5
3. 6
4. 0

Question ID : **264330101355**
Status : **Answered**
Chosen Option : **2**

Section : **English Comprehension**

Q.1 **Select the option that can be used as a one-word substitute for the given group of words.**

A speech by an actor at the end of a play

Ans
1. Prologue
2. Monologue
3. Epilogue
4. Duologue

Question ID : **26433088125**
Status : **Answered**
Chosen Option : **3**

Q.2 **Select the option that is OPPOSITE in meaning to the given word.**

Incompetent

Ans
1. Forlorn
2. Desperate
3. Hopeless
4. Dexterous

Question ID : **264330122275**
Status : **Answered**
Chosen Option : **4**

Q.3 **Select the option that can be used as a one-word substitute for the given group of words.**
Someone who lives in solitude

Ans
✗ 1. Metropolitan
✗ 2. Cosmopolitan
✓ 3. Recluse
✗ 4. Refugee

Question ID : **26433086323**
Status : **Answered**
Chosen Option : **3**

Q.4 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**
A. Lord Ganesha, the Destroyer of Obstacles, is worshipped for his wisdom and brilliance.
B.People adore the goddess Lakshmi and Lord Ganesha on Diwali.
C.This 'New Year' i.e., Diwali is marked by merchants establishing new account books.
D.Goddess Lakshmi is also worshipped on Diwali for wealth and success.

Ans
✗ 1. DABC
✓ 2. BADC
✗ 3. ADBC
✗ 4. CDBA

Question ID : **26433097518**
Status : **Answered**
Chosen Option : **2**

Q.5 **Identify the option that can be substituted as the correct idiom for the underlined part of the given sentence.**

As soon as the principal came to know about the inspection in the school, he put everything in perfect order.

Ans
✓ 1. Apple pie order
✗ 2. Apple of discord
✗ 3. Alley apple
✗ 4. Apple of one's eye

Question ID : **26433088905**
Status : **Answered**
Chosen Option : **1**

Q.6 **Select the correct idiom that can substitute the italicised group of words in the given sentence.**

Shelley has been *contemplating* for a few days but still has not decided to quit the job.

Ans
✗ 1. biting the dust
✓ 2. chewing the cud
✗ 3. cooling one's heels
✗ 4. getting into hot waters

Question ID : **26433093260**
Status : **Answered**
Chosen Option : **1**

Q.7 **Select the most appropriate option to fill in the blank.**

Raghav had a good _____ for stage plays.

Ans
- ✗ 1. trip
- ✗ 2. trope
- ✗ 3. troop
- ✓ 4. troupe

Question ID : **264330101282**
Status : **Answered**
Chosen Option : **4**

Q.8 **The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.**

We hardly knew nothing / about the manager / who had recently joined.

Ans
- ✓ 1. We hardly knew nothing
- ✗ 2. No error
- ✗ 3. about the manager
- ✗ 4. who had recently joined

Question ID : **26433060123**
Status : **Answered**
Chosen Option : **1**

Q.9 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**
Here / come / the bus / for Lucknow.

Ans
- ✗ 1. for Lucknow
- ✗ 2. the bus
- ✓ 3. come
- ✗ 4. Here

Question ID : **26433086458**
Status : **Answered**
Chosen Option : **3**

Q.10 **Select the INCORRECTLY spelt word.**

Ans
- ✗ 1. Tour
- ✗ 2. Triumph
- ✓ 3. Sandwitch
- ✗ 4. Process

Question ID : **26433088867**
Status : **Answered**
Chosen Option : **3**

Q.11 **Select the option that expresses the given sentence in active voice.**
The growing population of India will have been controlled by the Indian government by 2040.

Ans
✗ 1. By 2040, the Indian population will have continued to grow uncontrollably
✓ 2. By 2040, the Indian government will have controlled the growing population of India.
✗ 3. By 2040, the Indian government is successfully controlling the growing population of India.
✗ 4. The Indian population will have stabilised by 2022.

Question ID : **264330123018**
Status : **Answered**
Chosen Option : **2**

Q.12 **Select the option that can be used as a one-word substitute for the given group of words.**
One who loves mankind

Ans
✗ 1. Atheist
✗ 2. Pessimist
✗ 3. Optimist
✓ 4. Philanthropist

Question ID : **26433086319**
Status : **Answered**
Chosen Option : **4**

Q.13 **Select the INCORRECTLY spelt word.**

Ans
✓ 1. Allimony
✗ 2. Structural
✗ 3. Hallucinate
✗ 4. Halloween

Question ID : **264330120776**
Status : **Answered**
Chosen Option : **1**

Q.14 **Select the most appropriate synonym of the given word.**

Judicious

Ans
✓ 1. Sensible
✗ 2. Imprudent
✗ 3. Careless
✗ 4. Short-sighted

Question ID : **26433091881**
Status : **Answered**
Chosen Option : **1**

Q.15 **Select the most appropriate option to fill in the blank.**

Which _____ do you usually take to reach your office?

Ans
✓ 1. route
✗ 2. root
✗ 3. rout
✗ 4. rude

Question ID : **264330145558**
Status : **Answered**
Chosen Option : **1**

Q.16 **Select the most appropriate synonym of the given word.**
Extol

Ans
✗ 1. Reward
✗ 2. Punish
✗ 3. Dismay
✓ 4. Praise

Question ID : **26433096219**
Status : **Answered**
Chosen Option : **3**

Q.17 **Select the option that can be used as a one-word substitute for the given group of words.**

Author's explanatory remarks at the beginning of a book

Ans
✓ 1. Preface
✗ 2. Foreward
✗ 3. Bibliography
✗ 4. Biography

Question ID : **26433088121**
Status : **Answered**
Chosen Option : **1**

Q.18 **Identify how will you say that "The doctor treated the victims of the violence very carefully", in the passive voice.**

Ans
✗ 1. The doctor was very careful while providing treatment to the victims
✗ 2. The doctor's care was shown to the victims of the violence
✓ 3. The victims of the violence were treated very carefully by the doctor
✗ 4. The victims were treated attentively by the doctor

Question ID : **264330122788**
Status : **Answered**
Chosen Option : **3**

Q.19 **Sentences of a paragraph are given below. While the first and the last sentences (S1 and S6) are in the correct order, the sentences in between are jumbled up. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**

S1. He sat in his seat
A.hardly showing any signs of hearing
B.beside the bed,
C.gazing sternly
D.at the patient's face
S6. what they were saying to him.

Ans
✗ 1. DABC
✓ 2. BCDA
✗ 3. DCAB
✗ 4. DBAC

Question ID : **26433092123**
Status : **Answered**
Chosen Option : **2**

Q.20 **Select the most appropriate option to fill in the blank.**
Hundreds of firms went bankrupt during the _____.

Ans
✗ 1. recission
✗ 2. revision
✗ 3. remission
✓ 4. recession

Question ID : **26433099003**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
Changes to the earth's climate, driven by increased (1)_____ of heat-trapping greenhouse gases, are already having widespread effects on the environment. Shrinking of glaciers and ice sheets, occurrence of shifts in flower/plant blooming times, etc., are creating an overall (2)_____ in the natural ecosystem. Conditions like the rise in sea-levels and saltwater intrusion have advanced to the point where whole (3)_____ have had to relocate, while protracted droughts are putting people at risk of (4)_____. The effects of human-caused global warming are (5)_____ for people alive today and will worsen as long as humans keep feeding greenhouse gases into the atmosphere.

SubQuestion No : 21

Q.21 **Select the most appropriate option to fill in blank number 1.**

Ans
✓ 1. emission
✗ 2. feeding
✗ 3. creation
✗ 4. fertilisation

Question ID : **264330134160**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
Changes to the earth's climate, driven by increased (1)_____ of heat-trapping greenhouse gases, are already having widespread effects on the environment. Shrinking of glaciers and ice sheets, occurrence of shifts in flower/plant blooming times, etc., are creating an overall (2)_____ in the natural ecosystem. Conditions like the rise in sea-levels and saltwater intrusion have advanced to the point where whole (3)_____ have had to relocate, while protracted droughts are putting people at risk of (4)_____. The effects of human-caused global warming are (5)_____ for people alive today and will worsen as long as humans keep feeding greenhouse gases into the atmosphere.

SubQuestion No : 22

Q.22 **Select the most appropriate option to fill in blank number 2.**

Ans
✗ 1. despondence
✓ 2. imbalance
✗ 3. hunger
✗ 4. creativity

Question ID : **264330134161**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
Changes to the earth's climate, driven by increased (1)_____ of heat-trapping greenhouse gases, are already having widespread effects on the environment. Shrinking of glaciers and ice sheets, occurrence of shifts in flower/plant blooming times, etc., are creating an overall (2)_____ in the natural ecosystem. Conditions like the rise in sea-levels and saltwater intrusion have advanced to the point where whole (3)_____ have had to relocate, while protracted droughts are putting people at risk of (4)_____. The effects of human-caused global warming are (5)_____ for people alive today and will worsen as long as humans keep feeding greenhouse gases into the atmosphere.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank number 3.

Ans

✗ 1. mobs

✗ 2. people

✓ 3. communities

✗ 4. conditions

Question ID : **264330134162**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
Changes to the earth's climate, driven by increased (1)_____ of heat-trapping greenhouse gases, are already having widespread effects on the environment. Shrinking of glaciers and ice sheets, occurrence of shifts in flower/plant blooming times, etc., are creating an overall (2)_____ in the natural ecosystem. Conditions like the rise in sea-levels and saltwater intrusion have advanced to the point where whole (3)_____ have had to relocate, while protracted droughts are putting people at risk of (4)_____. The effects of human-caused global warming are (5)_____ for people alive today and will worsen as long as humans keep feeding greenhouse gases into the atmosphere.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank number 4.

Ans

✗ 1. pregnancy

✓ 2. famine

✗ 3. overpopulation

✗ 4. surgery

Question ID : **264330134163**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
Changes to the earth's climate, driven by increased (1)_____ of heat-trapping greenhouse gases, are already having widespread effects on the environment. Shrinking of glaciers and ice sheets, occurrence of shifts in flower/plant blooming times, etc., are creating an overall (2)_____ in the natural ecosystem. Conditions like the rise in sea-levels and saltwater intrusion have advanced to the point where whole (3)_____ have had to relocate, while protracted droughts are putting people at risk of (4)_____. The effects of human-caused global warming are (5)_____ for people alive today and will worsen as long as humans keep feeding greenhouse gases into the atmosphere.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank number 5.

Ans

✗ 1. heart breaking

✗ 2. contradictory

✓ 3. irreversible

✗ 4. conditional

Question ID : **264330134164**
Status : **Answered**
Chosen Option : **3**

Combined Graduate level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	25/07/2023
Exam Time	11:45 AM - 12:45 PM
Subject	Combined Graduate Level Examination Tier I 2023

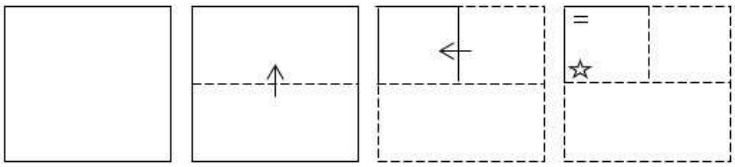
Section : **General Intelligence and Reasoning**

Q.1 **Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term.**
169 : 14 :: ? : 16 :: 289 : 18

Ans
✗ 1. 205
✗ 2. 230
✓ 3. 225
✗ 4. 125

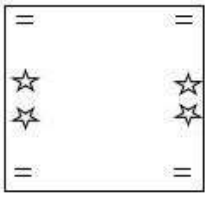
Question ID : **26433082764**
Status : **Answered**
Chosen Option : **3**

Q.2 A paper is folded and cut as shown below. How will it appear when unfolded?

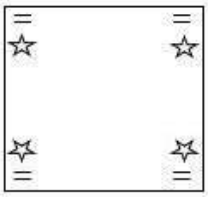


Ans

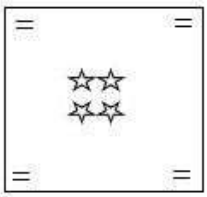
✔ 1.



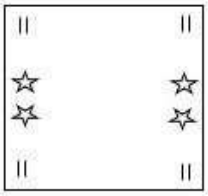
✘ 2.



✘ 3.

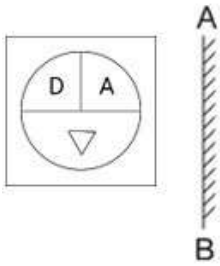


✘ 4.



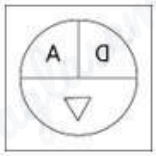
Question ID : **26433080829**
Status : **Answered**
Chosen Option : **1**

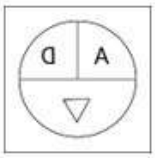
Q.3 **Select the correct mirror image of the given figure when the mirror is placed at AB.**

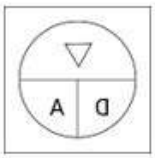


Ans

✗ 1.

✓ 2.


✗ 3.


✗ 4.


Question ID : **264330106440**
Status : **Answered**
Chosen Option : **2**

Q.4 **एक महिला की ओर इंगित करते हुए सुमन (एक महिला) ने कहा "वह मेरे ससुर की पत्नी के पुत्र की दादी है।" वह महिला सुमन से किस प्रकार संबंधित है?**

Ans

✗ 1. माता

✓ 2. पति की दादी

✗ 3. पुत्री

✗ 4. सास

Question ID : **26433091673**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.**
MAP: NZK ::HOZ:SLA :: WQK:?

Ans

✓ 1. DJP

✗ 2. DIP

✗ 3. CIP

✗ 4. CJP

Question ID : **264330104100**
Status : **Answered**
Chosen Option : **1**

Q.6 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**
1. Cartoon
2. Carrier
3. Carrying
4. Carousel
5. Carnival
6. Carriage

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

Question ID : **264330132167**
Status : **Answered**
Chosen Option : **4**

Q.7 **Study the given pattern carefully and select the number that can replace the question mark (?) in it.**
(6, 1, 18)
(5, 4, 60)
(6, 2, ?)
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

Ans
✓ 1. 36
✗ 2. 32
✗ 3. 40
✗ 4. 24

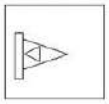
Question ID : **26433082471**
Status : **Answered**
Chosen Option : **1**

Q.8 **Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.**
18 * 3 * 12 * 9 * 3 * 111

Ans
✓ 1. ÷, +, ×, –, =
✗ 2. ×, +, ÷, –, =
✗ 3. ×, –, ×, +, =
✗ 4. ×, +, ×, –, =

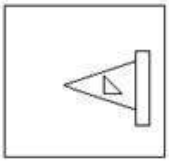
Question ID : **264330117295**
Status : **Answered**
Chosen Option : **1**

Q.9 Select the correct mirror image of the given figure when the mirror is placed at the right side of the figure.

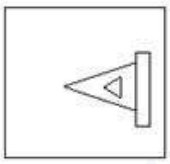


Ans

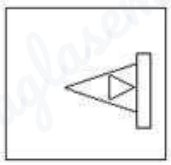
✗ 1.



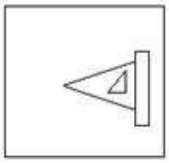
✗ 2.



✓ 3.



✗ 4.



Question ID : **26433068191**
Status : **Answered**
Chosen Option : **3**

Q.10 **The second number in the given number-pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) is/are followed in all the number-pairs except one. Find that odd number-pair.**

Ans

✗ 1. 2 : 9

✗ 2. 6 : 21

✗ 3. 10 : 33

✓ 4. 8 : 29

Question ID : **264330143702**
Status : **Answered**
Chosen Option : **4**

Q.11 **Three 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 teachers are scientists.
All scientists are doctors.
All doctors are engineers.

Conclusions:
I. Some doctors are teachers.
II. Some engineers are teachers.
III. Some doctors are scientists.

Ans
✗ 1. Only conclusions II and III follow
✗ 2. Only conclusions I and III follow
✓ 3. All conclusions follow
✗ 4. Only conclusions I and II follow

Question ID : **264330133241**
Status : **Answered**
Chosen Option : **3**

Q.12 **Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?**
ADZ, GJF, MPL, SVR, ?

Ans
✗ 1. XYB
✓ 2. YBX
✗ 3. XBY
✗ 4. YXB

Question ID : **26433069532**
Status : **Answered**
Chosen Option : **2**

Q.13 **In a certain code language, if 'RPD' is written as '43' and 'FCL' is written as '60', how will 'QTS' be written in the same code language?**

Ans
✗ 1. 35
✗ 2. 28
✓ 3. 25
✗ 4. 40

Question ID : **264330126659**
Status : **Not Answered**
Chosen Option : **--**

Q.14 **Looking at the family picture, Smriti said, "She is my father's father-in-law's wife's son's only sister.' How is the person in the photo related to Smriti's father?**

Ans
✗ 1. Mother
✗ 2. Sister-in-law
✓ 3. Wife
✗ 4. Daughter

Question ID : **264330122396**
Status : **Answered**
Chosen Option : **1**

Q.15 **Three 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 colours are rainbows.
Some paints are rainbows.
All rainbows are drawings.

Conclusions:
I. Some drawings are colours.
II. All paints are drawings.
III. Some drawings are rainbows.

Ans
✗ 1. Only conclusions I and II follow
✓ 2. Only conclusions I and III follow
✗ 3. Only conclusions II and III follow
✗ 4. All conclusions follow

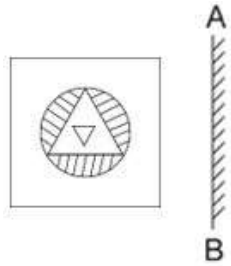
Question ID : **26433090916**
Status : **Answered**
Chosen Option : **2**

Q.16 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/Subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
(2, 7, 27)
(6, 15, 63)

Ans
✗ 1. (3, 21, 24)
✗ 2. (9, 8, 50)
✗ 3. (12, 4, 40)
✓ 4. (8, 8, 48)

Question ID : **264330122555**
Status : **Answered**
Chosen Option : **4**

Q.17 **Select the correct mirror image of the given figure when the mirror is placed at AB.**

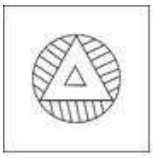


Ans

✗ 1.

✗ 2.

✓ 3.

✗ 4. 

Question ID : **264330106441**
Status : **Answered**
Chosen Option : **3**

Q.18 **Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.**
C _ R C _ R _ A R _ A _ C A _

Ans

✗ 1. R A C A C A

✗ 2. R A C A A C

✗ 3. A C R A C R

✓ 4. A A C C R R

Question ID : **264330143734**
Status : **Answered**
Chosen Option : **4**

Q.19 **Which of the following numbers will replace the question mark (?) in the given series?**
3, 8, 15, 26, 39, ?

Ans

✗ 1. 61

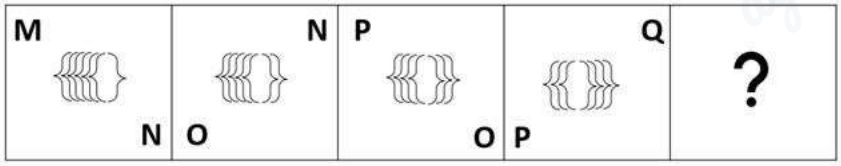
✗ 2. 49

✗ 3. 52

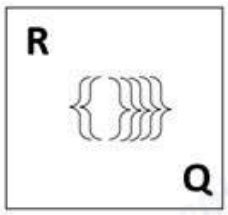
✓ 4. 56

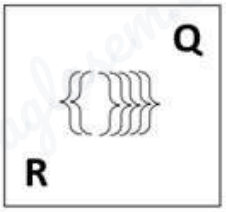
Question ID : **26433085706**
Status : **Answered**
Chosen Option : **4**

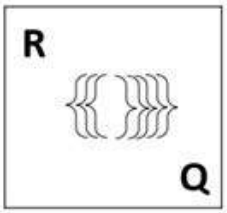
Q.20 **Select the figure that will come in place of the question mark (?) in the following figure series.**

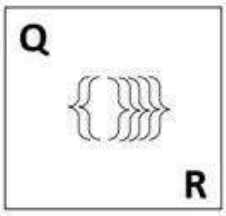


Ans

✗ 1.


✗ 2.


✗ 3.


✓ 4.


Question ID : **26433076563**
Status : **Answered**
Chosen Option : **1**

Q.21 **Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.**
98 : 7 :: 162 : 9 :: 242 : ?

Ans

✓ 1. 11

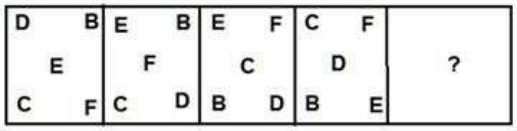
✗ 2. 12

✗ 3. 14

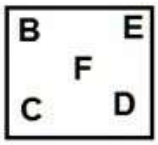
✗ 4. 13

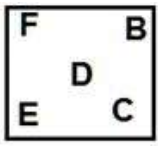
Question ID : **26433085829**
Status : **Answered**
Chosen Option : **1**

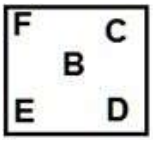
Q.22 Select the figure that will replace the question mark (?) in the following figure series.

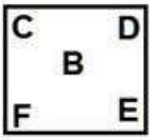


Ans

✗ 1.


✗ 2.


✗ 3.


✓ 4.


Question ID : **26433069534**
Status : **Not Answered**
Chosen Option : **--**

Q.23 **Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.**
_ _ MSDRTM _ _ R _ _ SD _ TM _ D

Ans

✗ 1. RSTDTMRS

✗ 2. RTSDMTRS

✗ 3. RTSDMTSR

✓ 4. RTSDTMRS

Question ID : **26433090009**
Status : **Answered**
Chosen Option : **4**

Q.24 **In a certain code language, 'DISCIPLINE' is written as 'DKSCKPLKNG', 'REVOLUTION' is written as 'RGVQLWTKQN'. How will 'UNIVERSITY' be written in that language?**

Ans

✗ 1. WNKGVRSKTY

✗ 2. WNKVGSRKTY

✓ 3. WNKVGRSKTY

✗ 4. WNKVGRKSTY

Question ID : **26433087259**
Status : **Not Answered**
Chosen Option : **--**

Q.25 If '<' means '−', '!' means '×', '>' means '+' and '$' means '÷', then what is the value of the following expression?
183 > 39 $ 13 ! 6 < 26

Ans
✔ 1. 175
✘ 2. 160
✘ 3. 193
✘ 4. 181

Question ID : **264330133151**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 गुरु शशधर आचार्य को निम्नलिखित में से किस क्षेत्र में योगदान के लिए 2020 में पद्म श्री से सम्मानित किया गया था?

Ans
✘ 1. वाद्य यंत्र वादन
✘ 2. शास्त्रीय नृत्य
✔ 3. लोक नृत्य
✘ 4. हिंदुस्तानी शास्त्रीय गायन

Question ID : **26433055412**
Status : **Not Answered**
Chosen Option : **--**

Q.2 निम्नलिखित में से कौन-सा संगीतकार संगीत वाद्ययंत्र संतूर से जुड़ा है?

Ans
✘ 1. अलाउद्दीन खान
✘ 2. अन्नपूर्णा देवी
✔ 3. पंडित शिव कुमार शर्मा
✘ 4. विलायत खान

Question ID : **264330130497**
Status : **Answered**
Chosen Option : **3**

Q.3 What is the atomicity of Chlorine?

Ans
✘ 1. Tetra-atomic
✔ 2. Diatomic
✘ 3. Poly-atomic
✘ 4. Monoatomic

Question ID : **26433064127**
Status : **Answered**
Chosen Option : **2**

Q.4 How many elected members are there in the Legislative Assembly of Telangana till December 2022?

Ans
✘ 1. 124
✘ 2. 120
✘ 3. 121
✔ 4. 119

Question ID : **264330118270**
Status : **Not Answered**
Chosen Option : **--**

Q.5 वर्ष 2022 में, स्वास्थ्य एवं परिवार कल्याण मंत्रालय ने 2030 तक आत्महत्या मृत्यु दर में _____ प्रतिशत की कमी लाने के लिए एक राष्ट्रीय आत्महत्या रोकथाम रणनीति (National Suicide Prevention Strategy) की घोषणा की।

Ans
✗ 1. 25
✗ 2. 20
✗ 3. 15
✓ 4. 10

Question ID : **264330137271**
Status : **Not Answered**
Chosen Option : **--**

Q.6 राउत नाच निम्न में से किस राज्य में प्रसिद्ध है?

Ans
✗ 1. पंजाब
✗ 2. गुजरात
✗ 3. असम
✓ 4. छत्तीसगढ़

Question ID : **264330109277**
Status : **Marked For Review**
Chosen Option : **4**

Q.7 भारतीय सशस्त्र बलों के कमांडर-इन-चीफ होने के नाते गणतंत्र दिवस के अवसर पर मार्च-पास्ट के दौरान सशस्त्र बलों के विभिन्न रेजीमेंटों की सलामी कौन लेता है?

Ans
✗ 1. भारत के रक्षा मंत्री
✗ 2. भारत के प्रधान मंत्री
✗ 3. भारत के गृह मंत्री
✓ 4. भारत के राष्ट्रपति

Question ID : **264330111146**
Status : **Answered**
Chosen Option : **4**

Q.8 प्रसिद्ध कवि और नाटककार राजशेखर निम्नलिखित में से किस प्रतिहार राजा के दरबार में दरबारी कवि थे?

Ans
✗ 1. रामभद्र
✗ 2. राजपाल
✗ 3. देवपाल
✓ 4. महेंद्रपाल

Question ID : **264330113564**
Status : **Not Answered**
Chosen Option : **--**

Q.9 माइकल फैराडे नाम के एक अंग्रेज वैज्ञानिक ने किस वर्ष में प्रदीपक (इलुमिनेटिंग) गैस में बेंजीन की खोज की थी?

Ans
✗ 1. 1820
✗ 2. 1827
✗ 3. 1822
✓ 4. 1825

Question ID : **264330144052**
Status : **Not Answered**
Chosen Option : **--**

Q.10 उत्तर वैदिक काल में निम्नलिखित में से कौन-सा वर्ण मुख्य रूप से खेती, पशुपालन और व्यापार जैसे काम करता था?

Ans
1. क्षत्रिय
2. ब्राह्मण
3. शूद्र
4. वैश्य

Question ID : **264330113556**
Status : **Answered**
Chosen Option : **3**

Q.11 Identify the meaning of continentality.

Ans
1. Very hot during winters and very cold during summers
2. Very hot during summers and very cold during winters
3. Very hot during summers and lots of rain
4. Very cold during winters and not hot during summers

Question ID : **26433097108**
Status : **Answered**
Chosen Option : **4**

Q.12 Where and when were the first Khelo India University Games held?

Ans
1. Maharashtra, 2019
2. Odisha, 2020
3. Punjab, 2019
4. Kerala, 2020

Question ID : **264330113749**
Status : **Answered**
Chosen Option : **3**

Q.13 (नवंबर 2021 तक) संपूर्ण भारत के विभिन्न शहरों में यातायात को कम करने के लिए 'भारतमाला परियोजना' के चरण-I के तहत रिंग रोड के लिए कितने शहरों की पहचान की गई है?

Ans
1. 33
2. 41
3. 21
4. 28

Question ID : **264330111303**
Status : **Not Answered**
Chosen Option : **--**

Q.14 भारत और बांग्लादेश के सुंदरबन में पाई जाने वाली मैंग्रोव वृक्ष की किस प्रजाति को वैज्ञानिक रूप से 'हेरिटिएरा फॉम्स' के रूप में जाना जाता है?

Ans
1. कचनार
2. सुंदरी
3. कुसुम
4. अर्जुन

Question ID : **264330111339**
Status : **Answered**
Chosen Option : **2**

Q.15 Who introduced the Zamindari Settlement as a measure of land revenue administration?

Ans
✗ 1. Lord Lytton
✗ 2. Lord Curzon
✓ 3. Lord Cornwallis
✗ 4. Lord Wellesley

Question ID : **264330112154**
Status : **Not Answered**
Chosen Option : **--**

Q.16 निम्नलिखित में से कौन विश्वनाथन आनंद के बाद भारत का दूसरा ग्रैंड मास्टर है?

Ans
✗ 1. पी. हरिकृष्णा
✓ 2. दिब्येंदु बरुआ
✗ 3. अभिजीत कुंटे
✗ 4. शशिकरण कृष्णन

Question ID : **264330118452**
Status : **Not Answered**
Chosen Option : **--**

Q.17 प्रधान मंत्री रोजगार सृजन कार्यक्रम (PMEGP) योजना भारत सरकार के किस मंत्रालय द्वारा शुरू की गई थी?

Ans
✓ 1. सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
✗ 2. वित्त मंत्रालय
✗ 3. ग्रामीण विकास मंत्रालय
✗ 4. आवास और शहरी मामलों का मंत्रालय

Question ID : **264330138080**
Status : **Answered**
Chosen Option : **2**

Q.18 The Indian Constitution originally consisted of _____ Articles.

Ans
✓ 1. 395
✗ 2. 385
✗ 3. 365
✗ 4. 375

Question ID : **264330110768**
Status : **Answered**
Chosen Option : **1**

Q.19 Which cells, also called neurilemma cells, are the main glial cells in the PNS and play an essential role in the survival and functions of neurons?

Ans
✗ 1. Bipolar cells
✗ 2. Ganglion cells
✓ 3. Schwann cells
✗ 4. Photoreceptor cells

Question ID : **26433055791**
Status : **Not Answered**
Chosen Option : **--**

Q.20 चिकित्सकों द्वारा अनुशंसित आहार संबंधी दिशानिर्देशों के अनुसार, स्वस्थ वयस्कों और चार वर्ष से अधिक उम्र के बच्चों में कोलेस्ट्रॉल के अंतर्ग्रहण के लिए आर.डी.ए. (RDA) _____ mg /दिन है।

Ans
✗ 1. 600
✗ 2. 500
✗ 3. 400
✓ 4. 300

Question ID : **264330110075**
Status : **Not Answered**
Chosen Option : **--**

Q.21 On 21 November 2022, who assumed charge as the new Election Commissioner (EC) of India?

Ans
✗ 1. Manoj Kumar
✗ 2. Rajiv Kumar
✓ 3. Arun Goel
✗ 4. Anup Chandra Pandey

Question ID : **264330132601**
Status : **Answered**
Chosen Option : **2**

Q.22 Which of the following is NOT one of the characteristics of the new agricultural strategy?

Ans
✗ 1. Use of chemical fertilisers
✗ 2. Use of hybrid seeds
✗ 3. Extensive irrigation
✓ 4. Use of organic manures

Question ID : **264330112484**
Status : **Answered**
Chosen Option : **3**

Q.23 निम्नलिखित में से कौन नोबेल पुरस्कार विजेता है, जिसे सूक्ष्म वित्त प्रणालियों के जनक के रूप में भी जाना जाता है?

Ans
✗ 1. अमर्त्य सेन
✗ 2. रघुराम राजन
✓ 3. मुहम्मद यूनुस
✗ 4. सैंड्रा रोटमैन

Question ID : **264330108907**
Status : **Answered**
Chosen Option : **1**

Q.24 In _____, Lord Curzon, the Viceroy of India, announced the partition of Bengal.

Ans
✗ 1. 1907
✗ 2. 1906
✗ 3. 1911
✓ 4. 1905

Question ID : **264330141512**
Status : **Answered**
Chosen Option : **4**

Q.25 **Who among the following is appointed as new Attorney General for India in September 2022?**

Ans
✔ 1. R Venkataramani
✘ 2. KK Venugopal
✘ 3. Fali Sam Nariman
✘ 4. Harish Salve

Question ID : **264330130850**
Status : **Answered**
Chosen Option : **1**

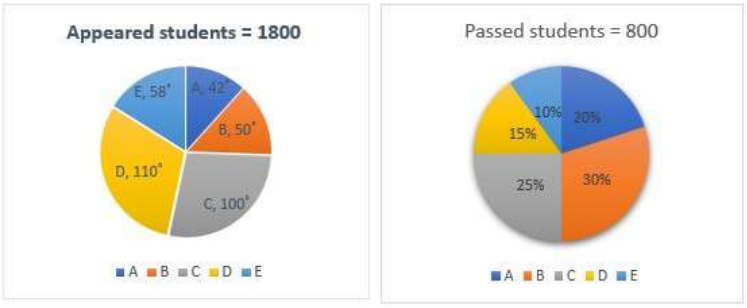
Section : **Quantitative Aptitude**

Q.1 **Find the value of tan (−1125°).**

Ans
✘ 1. 1
✘ 2. $\frac{1}{2}$
✔ 3. -1
✘ 4. 0

Question ID : **26433076100**
Status : **Answered**
Chosen Option : **1**

Q.2 The following pie charts show the data of the number of appeared and passed students of class 12 in sections A,B,C,D and E.



Find the difference between the number of students who appeared for the exam in sections A and B.

Ans
✘ 1. 60
✘ 2. 30
✘ 3. 50
✔ 4. 40

Question ID : **264330145019**
Status : **Answered**
Chosen Option : **4**

Q.3 $\sec\theta\sqrt{1-\sin^2\theta} = ?$

Ans

✗ 1. −1

✓ 2. 1

✗ 3. ∞

✗ 4. 0

Question ID : **264330143583**
Status : **Answered**
Chosen Option : **2**

Q.4 **The angles of a triangle are in the ratio 2 : 3 : 7. What is the measure of the largest angle of the triangle?**

Ans

✗ 1. 100°

✗ 2. 45°

✗ 3. 90°

✓ 4. 105°

Question ID : **26433074489**
Status : **Answered**
Chosen Option : **4**

Q.5 P and Q together complete a job in $4\frac{2}{5}$ days. R and S complete the same job in $4\frac{8}{9}$ days. If P, Q, R and S work together, how many days do they need to complete the same job?

Ans

✗ 1. $2\frac{7}{18}$

✗ 2. $1\frac{7}{18}$

✗ 3. $1\frac{6}{19}$

✓ 4. $2\frac{6}{19}$

Question ID : **264330111484**
Status : **Answered**
Chosen Option : **4**

Q.6 **A can finish a work in 60 days. He works at it for 15 days and then B alone finishes the remaining work in 48 days. In how much time can A and B working together finish the work?**

Ans

✓ 1. $\frac{960}{31}$ days

✗ 2. $\frac{171}{37}$ days

✗ 3. 51 days

✗ 4. 45 days

Question ID : **264330118136**
Status : **Not Answered**
Chosen Option : **--**

Q.7 **The value of which of the following is different from the other options?**

Ans

✗ 1. sin 90°

✓ 2. sec 60°

✗ 3. cos 0°

✗ 4. tan 45°

Question ID : **26433058817**
Status : **Answered**
Chosen Option : **2**

Q.8 A can complete $\frac{1}{3}$ of a work in 7 days and B can complete $\frac{2}{7}$ of the same work in 10 days. In how many days can both A and B together complete the work?

Ans

✗ 1. $12\frac{3}{8}$

✗ 2. $11\frac{7}{8}$

✓ 3. $13\frac{1}{8}$

✗ 4. $15\frac{1}{7}$

Question ID : **264330119355**
Status : **Answered**
Chosen Option : **3**

Q.9 **Ramesh, on his way to his hometown, travelled the first 250 km at a speed of 75km/h and the next 250 km at a speed of 85 km/h. Find the average speed for the whole journey(correct to 2 decimal places).**

Ans

✗ 1. 80.55km/h

✓ 2. 79.69km/h

✗ 3. 79.20km/h

✗ 4. 80.69km/h

Question ID : **264330103385**
Status : **Answered**
Chosen Option : **2**

Q.10 A can do $\frac{1}{2}$ of a piece of work in 32 days, B can do $37\frac{1}{2}\%$ of the same work in 24 days, while C can do 60% of the same work in 48 days. B and C together started and worked for x days. After x days, B left the work and A joined C and both completed the remaining work in (x + 8) days. If the ratio of the work done by (B + C) together to the work done by (A + C) together is 9 : 11, then what fraction of the same work can be completed by C alone in 3.5x days?

Ans

✗ 1. $\frac{18}{25}$

✗ 2. $\frac{4}{5}$

✓ 3. $\frac{7}{10}$

✗ 4. $\frac{3}{4}$

Question ID : **264330101327**
Status : **Not Answered**
Chosen Option : **--**

Q.11 **Which of the following numbers is divisible by 8?**

Ans

✗ 1. 18718

✗ 2. 18716

✓ 3. 18712

✗ 4. 18714

Question ID : **264330131111**
Status : **Answered**
Chosen Option : **3**

Q.12 **The three sides of two triangles are 4, 5 and 6 cm. Select the INCORRECT statement.**

Ans

✗ 1. The angle opposite to the greater side in those triangles will be greater.

✓ 2. The area of the two triangles will be different.

✗ 3. The two triangles are congruent.

✗ 4. The two triangles are scalene triangles.

Question ID : **26433085774**
Status : **Answered**
Chosen Option : **2**

Q.13 **If RP and RQ are two tangents to a circle with centre O such that ∠POQ = 120°, where P and Q are the points on the circle and R is a point outside the circle then ∠PRQ is equal to:**

Ans

✗ 1. 90°

✗ 2. 75°

✓ 3. 60°

✗ 4. 45°

Question ID : **264330143559**
Status : **Answered**
Chosen Option : **3**

Q.14 **The length, breadth and height of a hall are 10 m, 20 m and 15m respectively. Find the cost of whitewashing the walls of the inside of the hall and ceiling at the rate of ₹10.20/m^2**

Ans

✗ 1. ₹13,394

✓ 2. ₹11,220

✗ 3. ₹15,320

✗ 4. ₹16,542

Question ID : **26433080075**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.15 If $p + q + r = pqr = \frac{1}{p} + \frac{1}{q} + \frac{1}{r} = 1$, then find $p^3 + q^3 + r^3$.

Ans

✓ 1. 1

✗ 2. -1

✗ 3. 5

✗ 4. -5

Question ID : **264330122117**
Status : **Not Answered**
Chosen Option : **--**

Q.16 **The marked price of an article is ₹50,000. Of three shopkeepers, the first one allows two successive discounts of 25% and 15%.The second one allows two successive discounts 20% and 20%. The third shopkeeper allows two successive discounts of 30% and 10%. From which shopkeeper does the customer get more profit?**

Ans

✗ 1. First

✗ 2. Same for all the shopkeepers

✓ 3. Third

✗ 4. Second

Question ID : **264330103406**
Status : **Answered**
Chosen Option : **3**

Q.17 **Mona purchased two sets of jewellery for ₹4,000 each. She sold these sets of jewellery, gaining 8% on one and loosing 6% on the other. Calculate her total loss or gain in this whole transaction.**

Ans

✗ 1. ₹120 gain

✓ 2. ₹80 gain

✗ 3. ₹80 loss

✗ 4. ₹120 loss

Question ID : **26433091542**
Status : **Answered**
Chosen Option : **2**

Q.18 **A boat covers a distance of 12 km in 1 hour upstream and in 45 minutes downstream. Find the speed of the boat and the stream (in km/h).**

Ans
1. 16; 4
2. 16; 2
3. 14; 2
4. 12; 4

Question ID : **26433099024**
Status : **Not Answered**
Chosen Option : **--**

Q.19 **Which of the following numbers is divisible by 99?**

Ans
1. 31548
2. 60687
3. 44775
4. 84456

Question ID : **264330131117**
Status : **Answered**
Chosen Option : **2**

Q.20 Simplify $\frac{256x^4 - 16y^4}{(80x^2 - 20y^2)(16x^2 + 4y^2)}$.

Ans
1. 5
2. $\frac{1}{20}$
3. $\frac{1}{5}$
4. $\frac{2}{5}$

Question ID : **264330122113**
Status : **Answered**
Chosen Option : **3**

Q.21 The given table represents the monthly income of 100 families of a locality.

Monthly income range (in ₹)	Number of families
Income more than ₹10,000	100
Income more than ₹13,000	85
Income more than ₹16,000	69
Income more than ₹19,000	50
Income more than ₹22,000	33
Income more than ₹25,000	15

Ans
✔ 1. 17
✘ 2. 19
✘ 3. 22
✘ 4. 24

Question ID : **26433075169**
Status : **Answered**
Chosen Option : **1**

Q.22 **A family income is ₹35,000 in a month. The family spends the income on various expenditures, viz., food, health, education, entertainment, and rent. After incurring all the expenditures, 8% is saved every month. The expenditure on health is 50% more than that of food. While food is three times of the expenditure on entertainment, the expenditure on health is half of the expenditure on education. The expenditure on rent is one-third of the combined expenditure on food, health and education. How much expenditure (in ₹) is incurred on education?**

Ans
✔ 1. 12600
✘ 2. 8400
✘ 3. 13200
✘ 4. 7700

Question ID : **264330129997**
Status : **Not Answered**
Chosen Option : **--**

Q.23 **Which of the following is the lowest ratio?**

Ans
✘ 1. 8 : 19
✔ 2. 15 : 38
✘ 3. 17 : 38
✘ 4. 13 : 19

Question ID : **264330102352**
Status : **Answered**
Chosen Option : **4**

Q.24 If $7a - \frac{7}{a} + 4 = 0$, then find $a^3 - \frac{1}{a^3} - 1$.

Ans
✔ 1. $\frac{-995}{343}$
✘ 2. $\frac{-875}{248}$
✘ 3. $\frac{-694}{315}$
✘ 4. $\frac{-765}{262}$

Question ID : **264330122699**
Status : **Answered**
Chosen Option : **1**

Q.25 **₹8,500 becomes ₹11,050 in 6 years at a certain rate of simple interest. If the rate becomes 1.8 times of itself, the amount of the same principal in 5 years will be:**

Ans
✘ 1. ₹15,625
✘ 2. ₹14,350
✘ 3. ₹13,550
✔ 4. ₹12,325

Question ID : **264330104356**
Status : **Answered**
Chosen Option : **4**

Section : **English Comprehension**

Q.1 **Select the most appropriate synonym of the given word.**

Gentle

Ans
✘ 1. Fierce
✘ 2. Ferocious
✘ 3. Cruel
✔ 4. Sympathetic

Question ID : **26433092064**
Status : **Answered**
Chosen Option : **4**

Q.2 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**

My friend Meera and her mother <u>is visiting</u> me this weekend.

Ans
✘ 1. have visiting
✘ 2. am visiting
✘ 3. was visiting
✔ 4. are visiting

Question ID : **26433081306**
Status : **Answered**
Chosen Option : **4**

Q.3 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**
A. Several times I have visited the narrow, dirty streets where the poor live, and I grow hot and indignant to think that good people should be content to live in fine houses and become strong and beautiful, while others are condemned to live in hideous, sunless tenements and grow ugly, withered and cringing.
B. Dear little creatures, they crouch in my heart and haunt me with a constant sense of pain.
C. The children who crowd these grimy alleys, half-clad and underfed, shrink away from your outstretched hand as if from a blow.
D. In the country one sees only nature's fair works, and one's soul is not saddened by the cruel struggle for mere existence that goes on in the crowded city.

Ans
✗ 1. BACD
✗ 2. ADBC
✗ 3. CABD
✓ 4. DACB

Question ID : **264330143857**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **Identify from the given options the word OPPOSITE in meaning to the underlined word according to its meaning in the following sentence.**
The confectioner <u>dusted</u> a fine layer of sugar on the muffin.

Ans
✗ 1. scattered
✗ 2. sprinkled
✗ 3. powdered
✓ 4. cleaned

Question ID : **26433088818**
Status : **Answered**
Chosen Option : **1**

Q.5 **The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.**

Anti-party activities / improved my relations /with an opposition.

Ans
✗ 1. Anti-party activities
✗ 2. No error
✗ 3. Improved my relations
✓ 4. With an opposition

Question ID : **26433088105**
Status : **Not Answered**
Chosen Option : **--**

Q.6 **Select the most appropriate ANTONYM of the given word.**

Compulsory

Ans
✗ 1. Obligatory
✗ 2. Mandatory
✓ 3. Voluntary
✗ 4. Subsidiary

Question ID : **26433090568**
Status : **Answered**
Chosen Option : **3**

Q.7 **Select the most appropriate meaning of the given idiom.**

At cross purposes

Ans
✗ 1. Developing and amplifying ideas given
✗ 2. Finalising ideas and plans
✗ 3. Blindly following each other's ideas
✓ 4. Disagreeing with each other's ideas

Question ID : **26433088903**
Status : **Answered**
Chosen Option : **4**

Q.8 **Select the most appropriate synonym of the underlined word.**

The Department of Educational Policy is committed to the study of educational policy, analyse, and evaluate educational programmes, to identify trends, understand outcomes and guide policy and practice, towards finding solutions to current problems in educational governance and management.

Ans
✗ 1. affiliated
✓ 2. dedicated
✗ 3. inclined
✗ 4. apathetic

Question ID : **26433090768**
Status : **Answered**
Chosen Option : **2**

Q.9 **Select the option that can be used as a one-word substitute for the given group of words.**

Never changing and therefore boring.

Ans
✗ 1. Outdated
✗ 2. Impractical
✗ 3. Idealistic
✓ 4. Monotonous

Question ID : **26433087911**
Status : **Answered**
Chosen Option : **1**

Q.10 **Select the option that expresses the given sentence in active voice.**
The painting was not made by you.

Ans
✗ 1. You should not make the painting.
✗ 2. You does not make the painting.
✓ 3. You did not make the painting.
✗ 4. You do not make the painting.

Question ID : **264330141136**
Status : **Answered**
Chosen Option : **2**

Q.11 **The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.**

All the horses, except one, always / behaved in a rough manner when / Robert come to clean the stable.

Ans

✗ 1. behaved in a rough manner when

✓ 2. Robert come to clean the stable

✗ 3. No error

✗ 4. All the horses, except one, always

Question ID : **26433074505**
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 substitution'.**

I've got a lot of homeworks this weekend.

Ans

✓ 1. a lot of homework

✗ 2. No substitution

✗ 3. a lots of homework

✗ 4. much homework

Question ID : **26433099062**
Status : **Answered**
Chosen Option : **1**

Q.13 **Select the option that expresses the given sentence in active voice.**
He was praised by his father.

Ans

✗ 1. His father has praised him.

✗ 2. His father praises him.

✗ 3. His father had praised him.

✓ 4. His father praised him.

Question ID : **264330121833**
Status : **Answered**
Chosen Option : **4**

Q.14 **Select the most appropriate ANTONYM of the underlined word.**

He was riding his bike on a bumpy surface.

Ans

✗ 1. Jerky

✗ 2. Uneven

✗ 3. Choppy

✓ 4. Steady

Question ID : **26433090867**
Status : **Answered**
Chosen Option : **4**

Q.15 **Select the correct idiom that can substitute the italicised group of words in the given sentence.**

You must not participate in the marathon this year without any training. It is *an unreal hope* on your part!

Ans
✗ 1. carrying coal to new castle
✓ 2. a pipe dream
✗ 3. a will-o'-the-wisp
✗ 4. to lose one's temper

Question ID : **26433093259**
Status : **Answered**
Chosen Option : **2**

Q.16 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**

A. Many species of bamboo flower once in several years and then die.
B. The stem itself is hollow and is connected to a network of rhizomes, which spreads out beneath the surface of the soil.
C. Roots grow out of this network of rhizomes and help the plants to absorb and distribute food and water from the soil.
D. The bamboo is a variety of grass, with a woody, many-jointed stem.

Ans
✗ 1. ADCB
✓ 2. DBCA
✗ 3. BCAD
✗ 4. CADC

Question ID : **26433097513**
Status : **Not Answered**
Chosen Option : **--**

Q.17 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**

The commanders entered by force into terrorists' camp.

Ans
✗ 1. broke down
✗ 2. broke with
✓ 3. broke into
✗ 4. broke off

Question ID : **26433073847**
Status : **Answered**
Chosen Option : **3**

Q.18 **Sentences with spelling errors are given. Select the sentence with NO error.**

Ans
✗ 1. Making healtcare more affordable is something I would do as Prescident.
✗ 2. Making healtcare more afordable is something I would do as President.
✓ 3. Making healthcare more affordable is something I would do as President.
✗ 4. Making healthcare more afordable is something I would do as Prescident.

Question ID : **26433089739**
Status : **Answered**
Chosen Option : **3**

Q.19 **Select the INCORRECTLY spelt word.**

Ans
✗ 1. Receipt
✗ 2. Technically
✓ 3. Harrasment
✗ 4. Vaccinate

Question ID : **26433088426**
Status : **Answered**
Chosen Option : **3**

Q.20 **Select the most appropriate option to fill in the blank.**

Yesterday, I ate only a _____ of apples for my dinner.

Ans
✗ 1. pier
✗ 2. pear
✗ 3. pare
✓ 4. pair

Question ID : **264330145559**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
Since the 17th century, manure has been utilised in agriculture. In those days, they didn't know how plants got the (1)_____ they needed. They would toss wood debris, fish remains and other side-effects in an unfilled land to dispose of them. However, it wasn't long before people began to notice that the grass, bushes and shrubs there were beginning to (2) _____. They came to the conclusion that the soil supplied the plants with the nutrients they needed, and that organic remains could aid in this process. Because manure is (3) _____from animals and plants, it not only provides a wide range of plant nutrients but also improves the structure of the soil. Farmers gradually began using fertilisers as well because they understood that if their farmlands were treated in a similar manner, the growth of their crops would also improve. It bonds the soil particles together to form soil crumbs, which are necessary for cultivating soil. Additionally, the addition of manure to the soil aids in the prevention of soil erosion and the loss of plant nutrients during precipitation. Commercial fertilisers, in contrast to manure, are inorganic (4) _____ that do not alter the structure of the soil. Their function is to provide the sprouting plants with additional nutrients. A farmer ought to know when and how to apply a particular kind of fertiliser. When the plants require a particular nutrient the most, use it. If fertilisers haven't been added correctly to the soil, their roots won't be able to take in a lot. Rainwater could wash away these fertilisers, or they could end up (5) _____ the plants instead, costing the farmer money.

SubQuestion No : 21

Q.21 **Select the most appropriate option to fill in blank no.1.**

Ans
✗ 1. maintenance
✓ 2. nutrients
✗ 3. ingredients
✗ 4. items

Question ID : **264330139319**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
Since the 17th century, manure has been utilised in agriculture. In those days, they didn't know how plants got the (1)_____ they needed. They would toss wood debris, fish remains and other side-effects in an unfilled land to dispose of them. However, it wasn't long before people began to notice that the grass, bushes and shrubs there were beginning to (2) _____. They came to the conclusion that the soil supplied the plants with the nutrients they needed, and that organic remains could aid in this process. Because manure is (3) _____from animals and plants, it not only provides a wide range of plant nutrients but also improves the structure of the soil. Farmers gradually began using fertilisers as well because they understood that if their farmlands were treated in a similar manner, the growth of their crops would also improve. It bonds the soil particles together to form soil crumbs, which are necessary for cultivating soil. Additionally, the addition of manure to the soil aids in the prevention of soil erosion and the loss of plant nutrients during precipitation. Commercial fertilisers, in contrast to manure, are inorganic (4) _____ that do not alter the structure of the soil. Their function is to provide the sprouting plants with additional nutrients. A farmer ought to know when and how to apply a particular kind of fertiliser. When the plants require a particular nutrient the most, use it. If fertilisers haven't been added correctly to the soil, their roots won't be able to take in a lot. Rainwater could wash away these fertilisers, or they could end up (5) _____ the plants instead, costing the farmer money.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank no. 2.

Ans
✗ 1. cherish
✗ 2. raise
✓ 3. flourish
✗ 4. tend

Question ID : **264330139320**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
Since the 17th century, manure has been utilised in agriculture. In those days, they didn't know how plants got the (1)_____ they needed. They would toss wood debris, fish remains and other side-effects in an unfilled land to dispose of them. However, it wasn't long before people began to notice that the grass, bushes and shrubs there were beginning to (2) _____. They came to the conclusion that the soil supplied the plants with the nutrients they needed, and that organic remains could aid in this process. Because manure is (3) _____from animals and plants, it not only provides a wide range of plant nutrients but also improves the structure of the soil. Farmers gradually began using fertilisers as well because they understood that if their farmlands were treated in a similar manner, the growth of their crops would also improve. It bonds the soil particles together to form soil crumbs, which are necessary for cultivating soil. Additionally, the addition of manure to the soil aids in the prevention of soil erosion and the loss of plant nutrients during precipitation. Commercial fertilisers, in contrast to manure, are inorganic (4) _____ that do not alter the structure of the soil. Their function is to provide the sprouting plants with additional nutrients. A farmer ought to know when and how to apply a particular kind of fertiliser. When the plants require a particular nutrient the most, use it. If fertilisers haven't been added correctly to the soil, their roots won't be able to take in a lot. Rainwater could wash away these fertilisers, or they could end up (5) _____ the plants instead, costing the farmer money.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank no. 3.

Ans
✗ 1. extracted
✗ 2. constructed
✓ 3. derived
✗ 4. build

Question ID : **264330139321**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
Since the 17th century, manure has been utilised in agriculture. In those days, they didn't know how plants got the (1)_____ they needed. They would toss wood debris, fish remains and other side-effects in an unfilled land to dispose of them. However, it wasn't long before people began to notice that the grass, bushes and shrubs there were beginning to (2) _____. They came to the conclusion that the soil supplied the plants with the nutrients they needed, and that organic remains could aid in this process. Because manure is (3) _____from animals and plants, it not only provides a wide range of plant nutrients but also improves the structure of the soil. Farmers gradually began using fertilisers as well because they understood that if their farmlands were treated in a similar manner, the growth of their crops would also improve. It bonds the soil particles together to form soil crumbs, which are necessary for cultivating soil. Additionally, the addition of manure to the soil aids in the prevention of soil erosion and the loss of plant nutrients during precipitation. Commercial fertilisers, in contrast to manure, are inorganic (4) _____ that do not alter the structure of the soil. Their function is to provide the sprouting plants with additional nutrients. A farmer ought to know when and how to apply a particular kind of fertiliser. When the plants require a particular nutrient the most, use it. If fertilisers haven't been added correctly to the soil, their roots won't be able to take in a lot. Rainwater could wash away these fertilisers, or they could end up (5) _____ the plants instead, costing the farmer money.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank no. 4.

Ans
✗ 1. contents
✓ 2. substances
✗ 3. essences
✗ 4. compositions

Question ID : **264330139322**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
Since the 17th century, manure has been utilised in agriculture. In those days, they didn't know how plants got the (1)_____ they needed. They would toss wood debris, fish remains and other side-effects in an unfilled land to dispose of them. However, it wasn't long before people began to notice that the grass, bushes and shrubs there were beginning to (2) _____. They came to the conclusion that the soil supplied the plants with the nutrients they needed, and that organic remains could aid in this process. Because manure is (3) _____from animals and plants, it not only provides a wide range of plant nutrients but also improves the structure of the soil. Farmers gradually began using fertilisers as well because they understood that if their farmlands were treated in a similar manner, the growth of their crops would also improve. It bonds the soil particles together to form soil crumbs, which are necessary for cultivating soil. Additionally, the addition of manure to the soil aids in the prevention of soil erosion and the loss of plant nutrients during precipitation. Commercial fertilisers, in contrast to manure, are inorganic (4) _____ that do not alter the structure of the soil. Their function is to provide the sprouting plants with additional nutrients. A farmer ought to know when and how to apply a particular kind of fertiliser. When the plants require a particular nutrient the most, use it. If fertilisers haven't been added correctly to the soil, their roots won't be able to take in a lot. Rainwater could wash away these fertilisers, or they could end up (5) _____ the plants instead, costing the farmer money.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank no. 5.

Ans
✗ 1. wounding
✓ 2. harming
✗ 3. replicating
✗ 4. hurting

Question ID : **264330139323**
Status : **Not Answered**
Chosen Option : **--**

Combined Graduate level Examination 2023 Tier I

Roll Number	
Candidate Name	
Exam Date	25/07/2023
Exam Time	2:30 PM - 3:30 PM
Subject	Combined Graduate Level Examination Tier I 2023

Section : **General Intelligence and Reasoning**

Q.1 **In a certain code language, 'MOBILE' is coded as BJFZLK and 'TABLET' is coded as QCIZXR. How will 'KINDLE' be coded in the same language?**

Ans
✔ 1. BJALFI
✘ 2. BJBKFI
✘ 3. CIBKGC
✘ 4. CJBLGI

Question ID : **264330132213**
Status : **Answered**
Chosen Option : **1**

Q.2 **Which letter-cluster will replace the question mark (?) to complete the given series?**
BAWP, ?, DWCH, EUFD, FSIZ

Ans
✔ 1. CYZL
✘ 2. CZYL
✘ 3. CLZY
✘ 4. CYZH

Question ID : **26433076669**
Status : **Answered**
Chosen Option : **1**

Q.3 **Which two signs and two numbers should be interchanged to make the following equation correct?**
840 ÷ 38 − 7 + 10 × 12 = 462

Ans
✘ 1. 12 and 10, ÷ and +
✔ 2. 12 and 38, × and –
✘ 3. 12 and 7, + and ×
✘ 4. 840 and 10, + and –

Question ID : **264330122145**
Status : **Answered**
Chosen Option : **2**

Q.4 **Which option represents the correct order of the given words as they would appear in an English dictionary?**
1 Typographical
2 Typologically
3 Typifications
4 Typicalness
5 Tyrannosaurus

Ans
✔ 1. 4, 3, 1, 2, 5
✘ 2. 5, 2, 1, 3, 4
✘ 3. 2, 3, 5, 1, 4
✘ 4. 2, 3, 5, 4, 1

Question ID : **264330102493**
Status : **Answered**
Chosen Option : **1**

Q.5 **Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.**
N M L _ J N _ L J J _ M L J _ N M _ J J

Ans
✔ 1. J M N J L
✘ 2. J N L M J
✘ 3. M N L J M
✘ 4. M N J L N

Question ID : **264330143732**
Status : **Answered**
Chosen Option : **1**

Q.6 **Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.**
9 * 16 * 64 * 8 * 2 * 9

Ans
✘ 1. ÷, +, ×, −, =
✘ 2. −, ÷, +, ×, =
✔ 3. +, ÷, ×, −, =
✘ 4. ÷, −, +, ×, =

Question ID : **26433068672**
Status : **Answered**
Chosen Option : **3**

Q.7 **A family got split and the children of R were left with R's maternal grandfather's only granddaughter's father. How is the person with whom the children are left with related to R?**

Ans
✘ 1. R's son
✘ 2. R's paternal grandfather
✘ 3. R's maternal grandfather
✔ 4. R's father

Question ID : **264330120540**
Status : **Answered**
Chosen Option : **4**

Q.8 **In a certain code language, 'BENT' is coded as '3198' and 'DEBT' is coded as '8316'. What is the code for 'N' in the given code language?**

Ans

✗ 1. 1

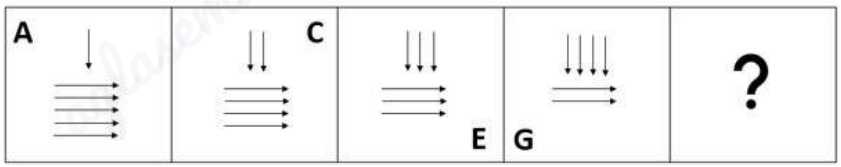
✓ 2. 9

✗ 3. 3

✗ 4. 8

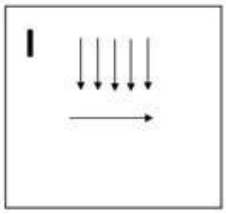
Question ID : **264330126011**
Status : **Answered**
Chosen Option : **2**

Q.9 Select the figure that will come in place of the question mark (?) in the following figure series.

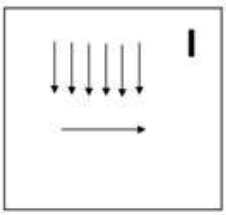


Ans

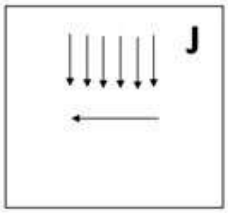
✓ 1.



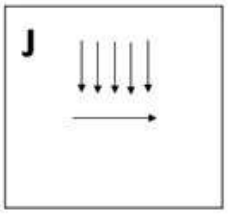
✗ 2.



✗ 3.



✗ 4.



Question ID : **26433076558**
Status : **Answered**
Chosen Option : **1**

Q.10 **Select the set in which the numbers are related in the same way as are the numbers of the given set.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the number into its constituent digits.E.g. 13 – Operations on 13 such as adding /Subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(25, 150, 3)
(18, 180, 5)

Ans
✗ 1. (13,39,3)
✗ 2. (101,408,2)
✓ 3. (52,728,7)
✗ 4. (61,601,5)

Question ID : **264330114662**
Status : **Answered**
Chosen Option : **3**

Q.11 **If 31 January 2009 was a Saturday, then what was the day of the week on 30 January 2013?**

Ans
✗ 1. Tuesday
✓ 2. Wednesday
✗ 3. Monday
✗ 4. Friday

Question ID : **26433067250**
Status : **Answered**
Chosen Option : **1**

Q.12 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '1'.

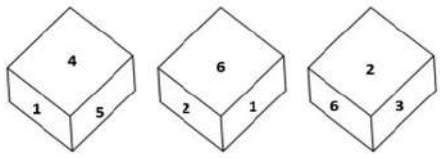
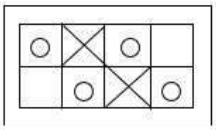


Figure 1 Figure 2 Figure 3

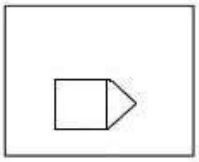
Ans
✗ 1. 5
✗ 2. 6
✗ 3. 2
✓ 4. 3

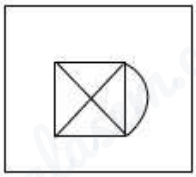
Question ID : **26433082886**
Status : **Answered**
Chosen Option : **4**

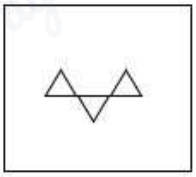
Q.13 Select the option figure which is embedded in the given figure (rotation is NOT allowed).

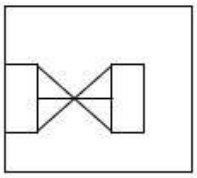


Ans

✔ 1. 

✘ 2. 

✘ 3. 

✘ 4. 

Question ID : **26433090083**
Status : **Answered**
Chosen Option : **1**

Q.14 **Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.**
7 : 35 :: 21 : 399 :: 4 : ?

Ans

✘ 1. 24

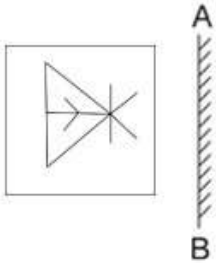
✘ 2. 20

✔ 3. 8

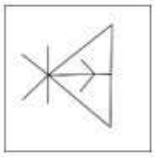
✘ 4. 12

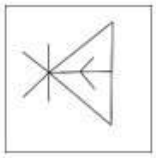
Question ID : **26433082447**
Status : **Answered**
Chosen Option : **3**

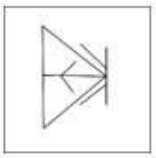
Q.15 **Select the correct mirror image of the given figure when the mirror is placed at AB.**

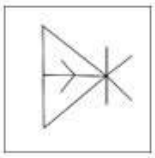


Ans

✗ 1. 

✓ 2. 

✗ 3. 

✗ 4. 

Question ID : **264330106450**
Status : **Answered**
Chosen Option : **2**

Q.16 **Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.**
7 : 47 :: 11 : 119 :: 3 : ?

Ans

✗ 1. 14

✗ 2. 15

✗ 3. 11

✓ 4. 7

Question ID : **26433082448**
Status : **Answered**
Chosen Option : **4**

Q.17 **Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must NOT be related to each other based on the number of letters/number of consonants/vowels in the word.)**
Plant : Pot :: Fish : ?

Ans

✗ 1. Mud

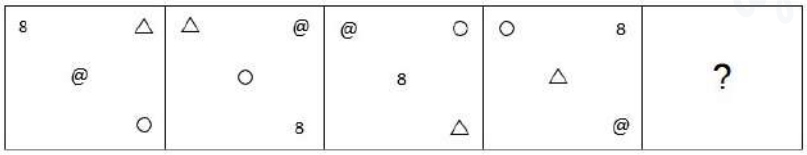
✗ 2. Sand

✗ 3. Stone

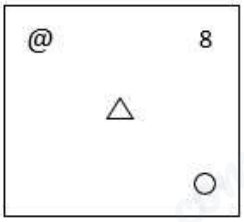
✓ 4. Aquarium

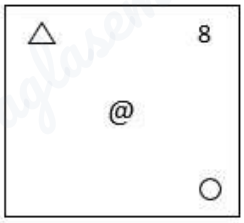
Question ID : **26433069135**
Status : **Answered**
Chosen Option : **4**

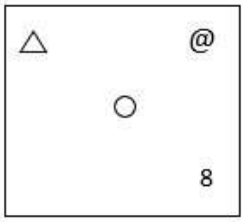
Q.18 Select the figure from among the given options that can replace the question mark (?) in the following series.

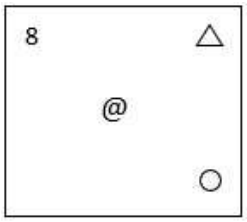


Ans

1. 

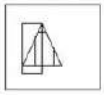
2. 

3. 

4. 

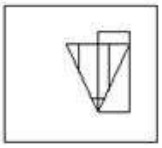
Question ID : **26433085382**
Status : **Answered**
Chosen Option : **4**

Q.19 Select the correct mirror image of the given figure when the mirror is placed at the right side of the figure.

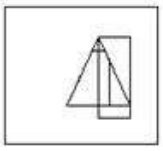


Ans

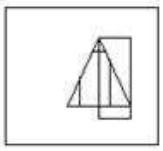
✗ 1.



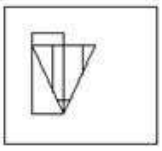
✗ 2.



✓ 3.



✗ 4.



Question ID : **26433068185**
Status : **Answered**
Chosen Option : **3**

Q.20 **Which of the following numbers will replace the question mark (?) in the given series?**
57, 69, 88, 112, 150, 186, 243, ?

Ans

✗ 1. 286

✗ 2. 289

✓ 3. 291

✗ 4. 300

Question ID : **26433057560**
Status : **Not Answered**
Chosen Option : **--**

Q.21 **In a certain code language, 'RELAX' is written as 'CPPZC' and 'STAKE' is written as 'RQEGM'. How will 'WINDS' be written in that language?**

Ans

✓ 1. GURUF

✗ 2. HUSVG

✗ 3. HURVG

✗ 4. GVSUF

Question ID : **264330131615**
Status : **Not Answered**
Chosen Option : **--**

Q.22 **Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.**
750 : 5 :: 384 : 4 :: 3072 : ?

Ans
✔ 1. 8
✘ 2. 9
✘ 3. 6
✘ 4. 7

Question ID : **26433085827**
Status : **Answered**
Chosen Option : **1**

Q.23 **The second number in the given number pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number pairs, EXCEPT one. Find that odd number pair.**

Ans
✘ 1. (21, 238)
✘ 2. (17, 194)
✘ 3. (13, 150)
✔ 4. (23, 270)

Question ID : **264330143673**
Status : **Not Answered**
Chosen Option : **--**

Q.24 **Select the option that is related to the third word in the same way as the second word is related to the first word.**
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)
Cow : Milk :: Sheep : ?

Ans
✔ 1. Wool
✘ 2. Baby
✘ 3. Silk
✘ 4. Clothes

Question ID : **26433087271**
Status : **Answered**
Chosen Option : **1**

Q.25 **In a family of four persons there is only one child. B is A's wife and D's daughter. If C is A's daughter, how is C related to D?**

Ans
✘ 1. Son's son
✔ 2. Daughter's daughter
✘ 3. Daughter
✘ 4. Son

Question ID : **264330120826**
Status : **Answered**
Chosen Option : **2**

Section : **General Awareness**

Q.1 **Non-Tax revenue is part of _____.**

Ans
✗ 1. Revenue Expenditure
✓ 2. Revenue Receipts
✗ 3. Capital Expenditure
✗ 4. Capital Receipts

Question ID : **264330109356**
Status : **Answered**
Chosen Option : **2**

Q.2 **In which Biosphere Reserve is the largest endangered marine mammal Dugong i.e., Dugong dugon and sea turtles also found?**

Ans
✗ 1. Khangchendzonga Biosphere Reserve
✗ 2. Seshachalam Biosphere Reserve
✗ 3. Pachmarhi Biosphere Reserve
✓ 4. Gulf of Mannar Biosphere Reserve

Question ID : **264330113484**
Status : **Answered**
Chosen Option : **2**

Q.3 **Which year census is the 15th National census survey conducted by the Census Organisation of India?**

Ans
✗ 1. 1991
✗ 2. 2001
✗ 3. 1981
✓ 4. 2011

Question ID : **264330144087**
Status : **Answered**
Chosen Option : **4**

Q.4 **Which of the following is the only rack railway in India that was declared a UNESCO World Heritage Site in 2005?**

Ans
✓ 1. Nilgiri Mountain Railway
✗ 2. Kangra Valley Railway
✗ 3. Matheran Hill Railway
✗ 4. Kalka–Shimla Railway

Question ID : **264330111320**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **In which of the following sports, apart from volleyball, do players make use of the Screen technique?**

Ans
✓ 1. Basketball
✗ 2. Cricket
✗ 3. Baseball
✗ 4. Handball

Question ID : **26433059443**
Status : **Answered**
Chosen Option : **1**

Q.6 Which player led India at the women's Hockey Asia Cup in Muscat, which was held in January 2022?

Ans
- ✗ 1. Navneet Kaur
- ✗ 2. Rani Rampal
- ✗ 3. Susmita Patil
- ✓ 4. Savita Punia

Question ID : **26433090656**
Status : **Not Answered**
Chosen Option : **--**

Q.7 In how many agro-climatic zones has Tamil Nadu been classified?

Ans
- ✗ 1. 3
- ✗ 2. 9
- ✓ 3. 7
- ✗ 4. 5

Question ID : **264330110100**
Status : **Not Answered**
Chosen Option : **--**

Q.8 The President of India _____ inaugurated Sangeet Natak Academi on 28 January 1953.

Ans
- ✗ 1. Sarvpalli Radhakrishna
- ✗ 2. Mohammad Hidayatullah
- ✓ 3. Rajendra Prasad
- ✗ 4. Jakir Husain

Question ID : **26433074130**
Status : **Answered**
Chosen Option : **3**

Q.9 In which year did Walther Flemming coined the term ‘chromatin’ for the stained substance found in the cell nucleus?

Ans
- ✗ 1. 1900
- ✗ 2. 1840
- ✗ 3. 1849
- ✓ 4. 1879

Question ID : **264330110080**
Status : **Not Answered**
Chosen Option : **--**

Q.10 In which of the following Indian states, is Makar Sankranti celebrated by the name of ‘Magha Saaji’?

Ans
- ✗ 1. Punjab
- ✓ 2. Himachal Pradesh
- ✗ 3. Uttarakhand
- ✗ 4. Jharkhand

Question ID : **26433069909**
Status : **Answered**
Chosen Option : **2**

Q.11 **Who among the following was the flag bearer of the Indian contingent at the opening ceremony of the Asian Games 2018?**

Ans
✔ 1. Neeraj Chopra
✘ 2. Saina Nehwal
✘ 3. Bajrang Punia
✘ 4. PT Usha

Question ID : **264330118437**
Status : **Not Answered**
Chosen Option : **--**

Q.12 **Which is the largest Dun formations in India?**

Ans
✘ 1. Harike Dun
✘ 2. Nalagarh Dun
✘ 3. Kota Dun
✔ 4. Dehra Dun

Question ID : **264330110651**
Status : **Answered**
Chosen Option : **1**

Q.13 **What do you understand by 'dual citizenship' as in the case of the US?**

Ans
✘ 1. Citizenship of two states simultaneously with two countries
✔ 2. Citizenship of a country alongwith that of a constituent State, where one resides/born
✘ 3. Citizenship of two states alongwith two countries
✘ 4. Citizenship of two countries simultaneously

Question ID : **264330110121**
Status : **Answered**
Chosen Option : **2**

Q.14 **The first phase of the Green Revolution was restricted largely to two crops and the regions where they are grown. Which of the following pairs best represents these two crops?**

Ans
✘ 1. Rice, corn
✔ 2. Wheat, rice
✘ 3. Cotton, indigo
✘ 4. Millet, wheat

Question ID : **264330109109**
Status : **Answered**
Chosen Option : **2**

Q.15 **As per physicists and their major contributions/discoveries,Which of the following pair is INCORRECT?**

Ans
✘ 1. John Bardeen – Theory of superconductivity
✘ 2. Louis Victor de Broglie – Wavenature of matter
✘ 3. Victor Francis Hess – Cosmic radiation
✔ 4. Paul Dirac – Liquid helium

Question ID : **264330144056**
Status : **Not Answered**
Chosen Option : **--**

Q.16 In December 2022, who among the following was elected as the first woman President of Indian Olympic Association?

Ans
- ✔ 1. PT Usha
- ✘ 2. Rajlaxmi Singh Deo
- ✘ 3. Karnam Malleswari
- ✘ 4. Dola Banarjee

Question ID : **264330133012**
Status : **Not Answered**
Chosen Option : **--**

Q.17 What was the period of Harshavardhana's reign?

Ans
- ✘ 1. 647 CE to 700 CE
- ✘ 2. 570 CE to 610 CE
- ✔ 3. 606 CE to 647 CE
- ✘ 4. 545 CE to 570 CE

Question ID : **264330114025**
Status : **Answered**
Chosen Option : **2**

Q.18 Padma Bhushan awardee, Guru Vempati Chinna Satyam, was a renowned guru for which of the following classical dance forms?

Ans
- ✘ 1. Kathakali
- ✘ 2. Kathak
- ✘ 3. Odissi
- ✔ 4. Kuchipudi

Question ID : **26433055418**
Status : **Answered**
Chosen Option : **4**

Q.19 Famous dance personality Kelucharan Mohapatra is associated with which of these dance forms?

Ans
- ✘ 1. Kathak
- ✘ 2. Bharatanatyam
- ✘ 3. Kathakali
- ✔ 4. Odissi

Question ID : **264330109291**
Status : **Answered**
Chosen Option : **4**

Q.20 While historians use the term Vijayanagara Empire and contemporaries of this empire described it as the_____.

Ans
- ✘ 1. Gajapati Samarajya
- ✔ 2. Karnataka Samrajyamu
- ✘ 3. Andhra Samarajyu
- ✘ 4. Sthalapati Samrajya

Question ID : **264330111382**
Status : **Not Answered**
Chosen Option : **--**

Q.21 Which Article of the Indian Constitution empowers the Supreme Court to review its own judgements or orders?

Ans
- ✗ 1. Article 138
- ✗ 2. Article 135
- ✗ 3. Article 136
- ✓ 4. Article 137

Question ID : **264330114499**
Status : **Answered**
Chosen Option : **4**

Q.22 For the political education of the people at the local level, who brought the resolution on local self-government?

Ans
- ✓ 1. Lord Ripon
- ✗ 2. Lord Mayo
- ✗ 3. Lord Canning
- ✗ 4. Lord Lytton

Question ID : **264330109031**
Status : **Not Answered**
Chosen Option : **--**

Q.23 When was the International Day for Elder Persons 2021 celebrated?

Ans
- ✓ 1. 1 October
- ✗ 2. 3 October
- ✗ 3. 4 October
- ✗ 4. 2 October

Question ID : **26433069807**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Which of the following elements has variable valency?

Ans
- ✓ 1. Iron
- ✗ 2. Sodium
- ✗ 3. Sulphur
- ✗ 4. Magnesium

Question ID : **26433064412**
Status : **Answered**
Chosen Option : **3**

Q.25 The Hindu Mahasabha was founded as a response to muslim fundamentalism in which year?

Ans
- ✗ 1. 1917
- ✓ 2. 1915
- ✗ 3. 1925
- ✗ 4. 1910

Question ID : **264330134592**
Status : **Not Answered**
Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1 **The cube of the sum of two given numbers is 1728, while the product of the two given numbers is 32. Find the positive difference between the cubes of the two given numbers.**

Ans
✔ 1. 448
✘ 2. 576
✘ 3. 480
✘ 4. 512

Question ID : **264330114557**
Status : **Answered**
Chosen Option : **1**

Q.2 **Simplify the following expression.**

$$\frac{x^2 - 2x - 63}{x^2 + 14x + 49}$$

Ans
✘ 1. $\frac{x+9}{x+7}$
✘ 2. $\frac{x-7}{x+7}$
✘ 3. $\frac{x+7}{x-7}$
✔ 4. $\frac{x-9}{x+7}$

Question ID : **264330145543**
Status : **Answered**
Chosen Option : **4**

Q.3 The value of $\sqrt{\frac{1+\cos\theta}{1-\cos\theta}}$ is:

Ans
✘ 1. $\sec\theta + \tan\theta$
✘ 2. $\operatorname{cosec}\theta - \cot\theta$
✔ 3. $\operatorname{cosec}\theta + \cot\theta$
✘ 4. $\sec\theta - \tan\theta$

Question ID : **26433075220**
Status : **Answered**
Chosen Option : **1**

Q.4 The pie chart below shows the distribution of female employees working in a company in five different districts (A, B, C, D and E).

Total number of female employees in five districts = 136000

What is the total number of female employees working in a company in district C

Ans
✔ 1. 61200
✘ 2. 62000
✘ 3. 62290
✘ 4. 61000

Question ID : **264330145021**
Status : **Answered**
Chosen Option : **1**

Q.5 **The difference between a discount of 40% and two successive discounts of 30% on a certain bill was ₹220. Find the amount of the bill (in ₹).**

Ans
✘ 1. 2200
✘ 2. 1100
✘ 3. 1000
✔ 4. 2000

Question ID : **264330104247**
Status : **Answered**
Chosen Option : **4**

Q.6 If $(y + \frac{1}{y}) = 4$, find the value of $(y^6 + \frac{1}{y^6})$.

Ans
✔ 1. 2702
✘ 2. 2704
✘ 3. 4096
✘ 4. 2706

Question ID : **264330114538**
Status : **Answered**
Chosen Option : **2**

Q.7 A is 50% more efficient then B. B worked to finish the same work in 20 days. If A and B worked together, then how much time will they take to finish the same work?

Ans
✗ 1. 10 days
✗ 2. 7 days
✓ 3. 8 days
✗ 4. 9 days

Question ID : **264330143477**
Status : **Answered**
Chosen Option : **3**

Q.8 What is the area of the sector of a circle of radius 8 cm and formed by an arc of length 12 cm?

Ans
✗ 1. 45 cm^2
✗ 2. 47 cm^2
✓ 3. 48 cm^2
✗ 4. 84 cm^2

Question ID : **26433080234**
Status : **Not Answered**
Chosen Option : **--**

Q.9 The cost price of an article is decreased by 10% and then increased by 20%. If the final price is ₹540, then the original cost price is:

Ans
✓ 1. ₹500
✗ 2. ₹650
✗ 3. ₹550
✗ 4. ₹600

Question ID : **26433090302**
Status : **Answered**
Chosen Option : **1**

Q.10 The curved surface area of a solid circular cylinder of height 12 cm is 2640 cm^2. What is the volume (in cm^3) of the cylinder? (Take π=22/7)

Ans
✓ 1. 46200
✗ 2. 37900
✗ 3. 42000
✗ 4. 55200

Question ID : **26433061919**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.11 100÷10-[-2+{-9+(3-6 of 2)}]= _____.

Ans
✗ 1. −6
✗ 2. 20
✓ 3. 30
✗ 4. 0

Question ID : **264330143455**
Status : **Answered**
Chosen Option : **3**

Q.12 The fourth proportional to 8, 32 and 13 is:

Ans

✗ 1. 39

✗ 2. 40

✗ 3. 26

✓ 4. 52

Question ID : **264330102354**
Status : **Answered**
Chosen Option : **4**

Q.13 The rate of simple interest for which ₹9,000 will amount to ₹10,200 in 4 years is:

Ans

✗ 1. $4\frac{2}{3}\%$

✗ 2. $7\frac{1}{3}\%$

✗ 3. $5\frac{1}{2}\%$

✓ 4. $3\frac{1}{3}\%$

Question ID : **264330111473**
Status : **Answered**
Chosen Option : **4**

Q.14 What is the remainder when $(x^{17} + 1)$ is divided by $(x + 1)$?

Ans

✗ 1. x

✗ 2. x – 1

✓ 3. 0

✗ 4. 1

Question ID : **264330130902**
Status : **Answered**
Chosen Option : **3**

Q.15 A boat running upstream takes 10 hours to cover a certain distance, while it takes 7 hours to cover the same distance running downstream. What is the ratio between the speed of the boat and that of the water current, respectively?

Ans

✗ 1. 17 : 5

✗ 2. 3 : 17

✗ 3. 2 : 17

✓ 4. 17 : 3

Question ID : **264330102371**
Status : **Answered**
Chosen Option : **4**

Q.16 Rice worth ₹35 per kilogram and ₹38 per kilogram are mixed with a third variety in the ratio 2 : 1 : 2. If the mixture is worth ₹42 per kilogram, the price of the third variety per kilogram is:

Ans
✗ 1. ₹52
✗ 2. ₹53
✗ 3. ₹54
✓ 4. ₹51

Question ID : **264330103606**
Status : **Answered**
Chosen Option : **4**

Q.17 Two circles touch each other externally. The radius of the first circle with centre O is 6 cm. The radius of the second circle with centre P is 3 cm. Find the length of their common tangent AB.

Ans
✗ 1. $3\sqrt{2}$ cm
✗ 2. $4\sqrt{2}$ cm
✗ 3. $6\sqrt{3}$ cm
✓ 4. $6\sqrt{2}$ cm

Question ID : **26433074352**
Status : **Answered**
Chosen Option : **1**

Q.18 What is the value of $5\sqrt{3}\cos 60° \tan 30° - 3\cos 0° + 3\cos^2 45° + 2\sin^2 60°$?

Ans
✗ 1. $2\sqrt{3}$
✓ 2. 2.5
✗ 3. 3.5
✗ 4. $3\sqrt{2}$

Question ID : **264330143621**
Status : **Answered**
Chosen Option : **2**

Q.19 The effective speed of a boat is 15.2 km/h against the stream and 20.8 km/h along the stream. Find the speed of the stream.

Ans
✗ 1. 18 km/h
✗ 2. 1.8 km/h
✓ 3. 2.8 km/h
✗ 4. 3 km/h

Question ID : **264330122080**
Status : **Answered**
Chosen Option : **3**

Q.20 **2 men can finish a work in 6 days and 3 women can finish the same work in 4 days. In how many days will the work be finished by 1 man and 2 women, working together every day?**

Ans

✔ 1. 4

✗ 2. 6

✗ 3. 8

✗ 4. 9

Question ID : **264330126149**
Status : **Answered**
Chosen Option : **1**

Q.21 **In the first month, the income of Mohan increases by 30%. In the second month his income decreases by 30%. What will be percentage increase or decrease in the income after two months?**

Ans

✗ 1. 15% increase

✗ 2. 9% increase

✗ 3. 15% decrease

✔ 4. 9% decrease

Question ID : **26433090298**
Status : **Answered**
Chosen Option : **4**

Q.22 If $\cos^2\theta = \frac{3}{4}$, where θ is an acute angle, then the value of $\sin(\theta + 30°)$ is:

Ans

✗ 1. 1

✗ 2. $\frac{1}{\sqrt{2}}$

✗ 3. $\frac{1}{2}$

✔ 4. $\frac{\sqrt{3}}{2}$

Question ID : **26433075031**
Status : **Answered**
Chosen Option : **4**

Q.23 A can complete a piece of work in 14 days, while A and B together can complete it in $3\frac{1}{2}$ days. How long will B alone take to complete it?

Ans

✗ 1. 4 days

✗ 2. 5 days

✗ 3. $\frac{3}{14}$ days

✔ 4. $\frac{14}{3}$ days

Question ID : **264330130965**
Status : **Answered**
Chosen Option : **4**

Q.24 If $r = 15(\sin\theta + \cos\theta)$ and $s = 16(\sin\theta - \cos\theta)$, then the value of $\frac{r^2}{15^2} + \frac{s^2}{16^2}$ is _____.

Ans
✗ 1. 8
✗ 2. 6
✗ 3. 4
✓ 4. 2

Question ID : **264330143553**
Status : **Answered**
Chosen Option : **4**

Q.25 **The following table shows the percentage of population of four states below poverty line and the proportion of males and females below and above poverty line.**

State	Percentage of Population Below Poverty Line	Proportion of Males and Females	
		Below Poverty Line	Above Poverty Line
		Males : Females	Males : Females
A	10%	2 : 3	4 : 5
B	25%	3 : 5	3 : 2
C	28%	1 : 4	5 : 3
D	38%	7 : 1	7 : 4

If the total population of State B is 7,200, then what is the number of females below poverty line in that state?

Ans
✗ 1. 1,025
✓ 2. 1,125
✗ 3. 1,075
✗ 4. 1,250

Question ID : **264330131533**
Status : **Answered**
Chosen Option : **2**

Section : **English Comprehension**

Q.1 **Select the option that expresses the given sentence in passive voice.**
Does she prepare the lesson?

Ans
✗ 1. Do she prepare the lesson?
✓ 2. Is the lesson prepared by her?
✗ 3. Is she preparing the lesson?
✗ 4. Is the lesson being prepared by her?

Question ID : **264330141125**
Status : **Answered**
Chosen Option : **2**

Q.2 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**
A. And also, they contribute to the development of social and environmental solutions for the planet's future.
B. Companies do play an important role in modern society.
C. Because of their systematic relevance and their impact on policy-making, companies must use their influence in ways that benefit the public good.
D. Some corporations have become so large that their activities and strategic decisions have a direct impact on government policy and citizens' lives.

Ans
✗ 1. DCAB
✗ 2. DBCA
✗ 3. ADCB
✓ 4. BDCA

Question ID : **264330117138**
Status : **Answered**
Chosen Option : **4**

Q.3 **Select the most appropriate meaning of the underlined idiom in the following sentence.**
I just went to Bali on a backpacking trip and did everything by the ear without any itinerary.

Ans
✗ 1. by spreading rumors
✓ 2. by improvisation
✗ 3. while criticising
✗ 4. by asking

Question ID : **264330101446**
Status : **Answered**
Chosen Option : **4**

Q.4 **Select the option that is OPPOSITE in meaning to the given word.**

Jubilant

Ans
✗ 1. Indifferent
✗ 2. Thoughtful
✗ 3. Gay
✓ 4. Melancholic

Question ID : **264330122276**
Status : **Answered**
Chosen Option : **1**

Q.5 **Select the option that can be used as a one-word substitute for the given group of words.**
Changing secret and coded messages in a readable form

Ans
✗ 1. Decoupling
✗ 2. Encoding
✓ 3. Decoding
✗ 4. Encrypting

Question ID : **26433086481**
Status : **Answered**
Chosen Option : **3**

Q.6 **Identify and correct the INCORRECTLY spelt word in the given sentence.**
Successful people often have a role modal who inspired them to greatness.

Ans
✗ 1. gratenes
✗ 2. succesful
✗ 3. inspaired
✓ 4. model

Question ID : **26433099658**
Status : **Answered**
Chosen Option : **4**

Q.7 **Choose the option that rectifies the incorrectly spelt underlined word.**

Mr. Singh is a phenomenally <u>sucsesful</u> salesperson.

Ans
✗ 1. sucessful
✓ 2. successful
✗ 3. successfull
✗ 4. sucesfull

Question ID : **26433088848**
Status : **Answered**
Chosen Option : **2**

Q.8 **Select the most appropriate ANTONYM of the given word.**
Grow

Ans
✓ 1. Shrink
✗ 2. Crimp
✗ 3. Plant
✗ 4. Alter

Question ID : **264330102462**
Status : **Answered**
Chosen Option : **1**

Q.9 **Select the option that can be used as a one-word substitute for the given group of words.**

Enjoying or affording warm secure shelter or cover and opportunity for ease and contentment

Ans
✗ 1. Undisturbed
✗ 2. Easeful
✗ 3. Untroubled
✓ 4. Snug

Question ID : **26433084590**
Status : **Answered**
Chosen Option : **4**

Q.10 **Select the option that can be used as a one-word substitute for the given group of words.**

Kind, generous, and forgiving.

Ans
✗ 1. Magnificent
✗ 2. Grandiloquent
✗ 3. Portentous
✓ 4. Magnanimous

Question ID : **26433087903**
Status : **Answered**
Chosen Option : **4**

Q.11 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**

You wash / the dishes / and / I dry the same.

Ans
✗ 1. and
✗ 2. You wash
✓ 3. I dry the same
✗ 4. the dishes

Question ID : **26433088092**
Status : **Answered**
Chosen Option : **3**

Q.12 **Select the grammatically correct sentence.**

A.As a nation, India is a united country and shall always remain so.
B.As nation, India is a united country and shall always remain so.
C.As the nation, India is a united country and shall always remain so.
D.As a nation, India is an united country and shall always remain so.

Ans
✓ 1. A
✗ 2. B
✗ 3. D
✗ 4. C

Question ID : **26433073533**
Status : **Answered**
Chosen Option : **3**

Q.13 **Select the most appropriate option to fill in the blank.**

I take my _____ off to our freedom fighters for their service to our country.

Ans
✗ 1. boots
✓ 2. hat
✗ 3. gun
✗ 4. socks

Question ID : **26433088456**
Status : **Answered**
Chosen Option : **2**

Q.14 **Select the most appropriate option to fill in the blank.**
_____ droplets settled on top of leaves.

Ans
✗ 1. Due
✗ 2. Doe
✗ 3. Do
✓ 4. Dew

Question ID : **264330121280**
Status : **Answered**
Chosen Option : **4**

Q.15 **Select the most appropriate ANTONYM of the underlined word to fill in the blank.**
Instead of becoming joyous to hear the breaking news, she became _____ .

Ans
✓ 1. melancholic
✗ 2. vengeful
✗ 3. ecstatic
✗ 4. exuberant

Question ID : **264330121890**
Status : **Answered**
Chosen Option : **3**

Q.16 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**

The young boy displayed an aptitude on scientific research.

Ans
✓ 1. aptitude for
✗ 2. aptitude at
✗ 3. aptitude by
✗ 4. aptitude in

Question ID : **26433081318**
Status : **Answered**
Chosen Option : **2**

Q.17 **Select the option that expresses the given sentence in passive voice.**

The magazine house was expecting unpublished authors for their forthcoming exclusive issue on new trends.

Ans
✗ 1. Unpublished authors will be expected by the magazine house for their forthcoming exclusive issue on new trends.
✓ 2. Unpublished authors were being expected by the magazine house for their forthcoming exclusive issue on new trends.
✗ 3. Unpublished authors was expected by the magazine house for their forthcoming exclusive issue on new trends.
✗ 4. Unpublished authors were expected by the magazine house for their forthcoming exclusive issue on new trends.

Question ID : **264330136441**
Status : **Answered**
Chosen Option : **2**

Q.18 **Select the correct option to substitute the underlined segment in the given sentence.**
He had given me that book in 1999.

Ans
✗ 1. did given me
✗ 2. was given me
✗ 3. gives me
✓ 4. gave me

Question ID : **26433093002**
Status : **Answered**
Chosen Option : **4**

Q.19 **Select the most appropriate synonym of the given word.**

Predicament

Ans
✗ 1. Ease
✓ 2. Quandary
✗ 3. Blessing
✗ 4. Solution

Question ID : **26433073701**
Status : **Not Answered**
Chosen Option : **--**

Q.20 **Select the most appropriate ANTONYM of the underlined word.**

His knowledge is superficial in nature.

Ans
✗ 1. Deviant
✓ 2. Profound
✗ 3. Artificial
✗ 4. Opposing

Question ID : **26433091824**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The modern world (1) _____ around technology. It has advanced dramatically in the beyond twenty years and presently, we can't envision a world without PCs and cell phones. The last century saw fast progressions in innovation and science which were unfathomable previously. The internet is perhaps the most significant of these. Today, it is no longer a science fiction concept to communicate with people anywhere in the world. While smart phones keep us constantly connected to the virtual world, wireless internet has eliminated the need to use a physical wire to connect with this world. Today, we rely on the internet to pay our bills, book tickets, travel and conduct banking transactions. Li-Fi, a new technology that uses light signals to (2) _____ data and reduces external interference, is currently in development.
On the other hand, such rapid progress comes with some (3) _____ . Another sort of wrongdoing, known as digital wrongdoing, is the greatest danger to security today. WannaCry was one of the biggest recent cyberattacks. It infected more than 230,000 computers in over 150 countries and threatened to erase valuable data unless ransom payments were made. Personal and (4) _____ data continue to be stolen frequently, and our country's cyber security is still lacking. It's also possible to say that people miss out on important experiences in the real world because they spend so much time in the virtual world. The distinction between the real and online worlds sometimes appears to blur, especially as social media grows in popularity. For instance, the internet was said to have become so addictive in China that programs were established to help people get off of it. However, technology's benefits (5)_____ its drawbacks. It all comes down to what we do with it. One thing to keep in mind is that technology can serve us well but not completely.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank no. 1.

Ans

✗ 1. rotates

✓ 2. revolves

✗ 3. squares

✗ 4. circles

Question ID : **264330139400**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The modern world (1) _____ around technology. It has advanced dramatically in the beyond twenty years and presently, we can't envision a world without PCs and cell phones. The last century saw fast progressions in innovation and science which were unfathomable previously. The internet is perhaps the most significant of these. Today, it is no longer a science fiction concept to communicate with people anywhere in the world. While smart phones keep us constantly connected to the virtual world, wireless internet has eliminated the need to use a physical wire to connect with this world. Today, we rely on the internet to pay our bills, book tickets, travel and conduct banking transactions. Li-Fi, a new technology that uses light signals to (2) _____ data and reduces external interference, is currently in development.
On the other hand, such rapid progress comes with some (3) _____ . Another sort of wrongdoing, known as digital wrongdoing, is the greatest danger to security today. WannaCry was one of the biggest recent cyberattacks. It infected more than 230,000 computers in over 150 countries and threatened to erase valuable data unless ransom payments were made. Personal and (4) _____ data continue to be stolen frequently, and our country's cyber security is still lacking. It's also possible to say that people miss out on important experiences in the real world because they spend so much time in the virtual world. The distinction between the real and online worlds sometimes appears to blur, especially as social media grows in popularity. For instance, the internet was said to have become so addictive in China that programs were established to help people get off of it. However, technology's benefits (5)_____ its drawbacks. It all comes down to what we do with it. One thing to keep in mind is that technology can serve us well but not completely.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank no. 2.

Ans

✗ 1. lay

✗ 2. disturb

✓ 3. transmit

✗ 4. communicate

Question ID : **264330139401**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The modern world (1) _____ around technology. It has advanced dramatically in the beyond twenty years and presently, we can't envision a world without PCs and cell phones. The last century saw fast progressions in innovation and science which were unfathomable previously. The internet is perhaps the most significant of these. Today, it is no longer a science fiction concept to communicate with people anywhere in the world. While smart phones keep us constantly connected to the virtual world, wireless internet has eliminated the need to use a physical wire to connect with this world. Today, we rely on the internet to pay our bills, book tickets, travel and conduct banking transactions. Li-Fi, a new technology that uses light signals to (2) _____ data and reduces external interference, is currently in development.
On the other hand, such rapid progress comes with some (3) _____ . Another sort of wrongdoing, known as digital wrongdoing, is the greatest danger to security today. WannaCry was one of the biggest recent cyberattacks. It infected more than 230,000 computers in over 150 countries and threatened to erase valuable data unless ransom payments were made. Personal and (4) _____ data continue to be stolen frequently, and our country's cyber security is still lacking. It's also possible to say that people miss out on important experiences in the real world because they spend so much time in the virtual world. The distinction between the real and online worlds sometimes appears to blur, especially as social media grows in popularity. For instance, the internet was said to have become so addictive in China that programs were established to help people get off of it. However, technology's benefits (5)_____ its drawbacks. It all comes down to what we do with it. One thing to keep in mind is that technology can serve us well but not completely.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank no. 3.

Ans

✔ 1. drawbacks

✘ 2. snag

✘ 3. hitch

✘ 4. liabilities

Question ID : **264330139402**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The modern world (1) _____ around technology. It has advanced dramatically in the beyond twenty years and presently, we can't envision a world without PCs and cell phones. The last century saw fast progressions in innovation and science which were unfathomable previously. The internet is perhaps the most significant of these. Today, it is no longer a science fiction concept to communicate with people anywhere in the world. While smart phones keep us constantly connected to the virtual world, wireless internet has eliminated the need to use a physical wire to connect with this world. Today, we rely on the internet to pay our bills, book tickets, travel and conduct banking transactions. Li-Fi, a new technology that uses light signals to (2) _____ data and reduces external interference, is currently in development.
On the other hand, such rapid progress comes with some (3) _____ . Another sort of wrongdoing, known as digital wrongdoing, is the greatest danger to security today. WannaCry was one of the biggest recent cyberattacks. It infected more than 230,000 computers in over 150 countries and threatened to erase valuable data unless ransom payments were made. Personal and (4) _____ data continue to be stolen frequently, and our country's cyber security is still lacking. It's also possible to say that people miss out on important experiences in the real world because they spend so much time in the virtual world. The distinction between the real and online worlds sometimes appears to blur, especially as social media grows in popularity. For instance, the internet was said to have become so addictive in China that programs were established to help people get off of it. However, technology's benefits (5)_____ its drawbacks. It all comes down to what we do with it. One thing to keep in mind is that technology can serve us well but not completely.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank no. 4.

Ans

✗ 1. secret

✓ 2. confidential

✗ 3. regular

✗ 4. common

Question ID : **264330139403**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The modern world (1) _____ around technology. It has advanced dramatically in the beyond twenty years and presently, we can't envision a world without PCs and cell phones. The last century saw fast progressions in innovation and science which were unfathomable previously. The internet is perhaps the most significant of these. Today, it is no longer a science fiction concept to communicate with people anywhere in the world. While smart phones keep us constantly connected to the virtual world, wireless internet has eliminated the need to use a physical wire to connect with this world. Today, we rely on the internet to pay our bills, book tickets, travel and conduct banking transactions. Li-Fi, a new technology that uses light signals to (2) _____ data and reduces external interference, is currently in development.
On the other hand, such rapid progress comes with some (3) _____ . Another sort of wrongdoing, known as digital wrongdoing, is the greatest danger to security today. WannaCry was one of the biggest recent cyberattacks. It infected more than 230,000 computers in over 150 countries and threatened to erase valuable data unless ransom payments were made. Personal and (4) _____ data continue to be stolen frequently, and our country's cyber security is still lacking. It's also possible to say that people miss out on important experiences in the real world because they spend so much time in the virtual world. The distinction between the real and online worlds sometimes appears to blur, especially as social media grows in popularity. For instance, the internet was said to have become so addictive in China that programs were established to help people get off of it. However, technology's benefits (5)_____ its drawbacks. It all comes down to what we do with it. One thing to keep in mind is that technology can serve us well but not completely.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank no. 5.

Ans

✗ 1. balances

✗ 2. shadows

✓ 3. outweigh

✗ 4. insides

Question ID : **264330139404**
Status : **Answered**
Chosen Option : **1**

Combined Graduate level Examination 2023 Tier I

Roll Number	
Candidate Name	
Exam Date	25/07/2023
Exam Time	5:15 PM - 6:15 PM
Subject	Combined Graduate Level Examination Tier I 2023

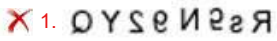
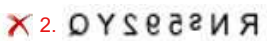
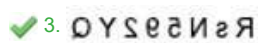
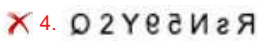
Section : **General Intelligence and Reasoning**

Q.1 **Which of the following interchanges of signs would make the given equation correct?**
162 ÷ 3 + 5 × 6 – 2 = 274

Ans
✗ 1. + and –
✗ 2. ÷ and x
✗ 3. – and ÷
✓ 4. + and ×

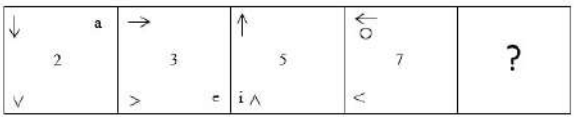
Question ID : **264330114245**
Status : **Answered**
Chosen Option : **4**

Q.2 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

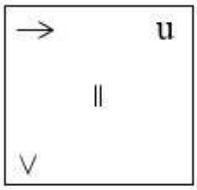
Ans
✗ 1. 
✗ 2. 
✓ 3. 
✗ 4. 

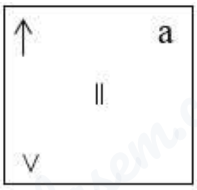
Question ID : **264330103142**
Status : **Answered**
Chosen Option : **3**

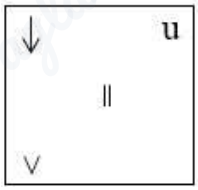
Q.3 Select the figure from among the given options that can replace the question mark (?) in the following series.

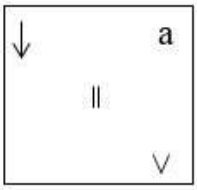


Ans

1. 

2. 

3. 

4. 

Question ID : **26433085383**
Status : **Answered**
Chosen Option : **3**

Q.4 **Select the set in which the numbers are related in the same way as are the numbers of the given sets.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(12, 5, 29)
(19, 12, 50)

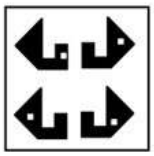
Ans

1. (8, 15, 21)
2. (16, 12, 34)
3. (15, 14, 44)
4. (17, 11, 55)

Question ID : **26433057090**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

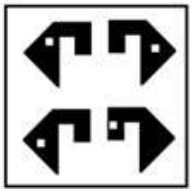
Q.5 Which of the answer figures is the exact mirror image of the given problem figure when the mirror is held at the right side?

Problem figure:

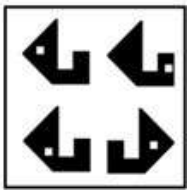


Ans

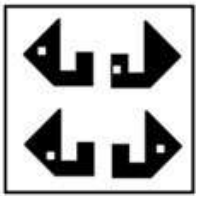
✗ 1.



✗ 2.



✓ 3.



✗ 4.

Question ID : **26433067412**
Status : **Answered**
Chosen Option : **3**

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 and the sixth term is related to the fifth term.**
16 : 144 :: 22 : ? :: 14 : 112

Ans

✗ 1. 244

✗ 2. 246

✓ 3. 264

✗ 4. 266

Question ID : **26433078946**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.7 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**

1. Canvas
2. Candidly
3. Canteen
4. Canopy
5. Cannibal
6. Cancer

Ans

✗ 1. 6, 5, 2, 4, 3, 1

✓ 2. 6, 2, 5, 4, 3, 1

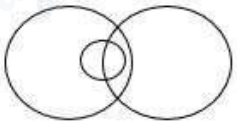
✗ 3. 6, 2, 5, 3, 4, 1

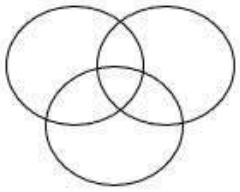
✗ 4. 5, 2, 6, 4, 1, 3

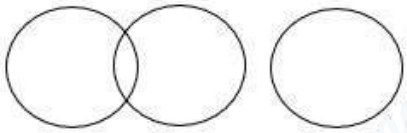
Question ID : **264330132172**
Status : **Answered**
Chosen Option : **2**

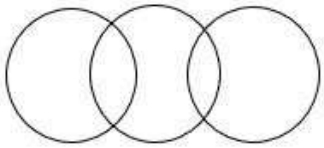
Q.8 **Select the Venn diagram that best represents the relationship between the following classes.**
Insects, Animals, Poisonous

Ans

✓ 1. 

✗ 2. 

✗ 3. 

✗ 4. 

Question ID : **26433085685**
Status : **Answered**
Chosen Option : **4**

Q.9 **Sonal's brother's paternal grandmother, named Seeta, is coming to Sonal's party with her only son. How is Seeta's son related to Sonal?**

Ans

✓ 1. Father

✗ 2. Paternal grandfather

✗ 3. Son

✗ 4. Brother

Question ID : **264330118665**
Status : **Answered**
Chosen Option : **1**

Q.10 **Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.**
ST_FIR_STNF_ RGSTN_IRG_ _NFI_G

Ans
✗ 1. NGSFITR
✗ 2. NGFISRT
✓ 3. NGIFSTR
✗ 4. NGISFRT

Question ID : **264330131039**
Status : **Answered**
Chosen Option : **3**

Q.11 **In a certain code language, 'STRAIGHT' is written as 'UVTCUIHJ', 'SURVIVAL' is written as 'UWTXMBWJ'. How will 'TAKEOVER' be written in that language?**

Ans
✗ 1. VCMGSHXP
✗ 2. VCMHSGWP
✓ 3. VCMGSFWP
✗ 4. VCMGTFVP

Question ID : **26433091591**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.12 **In a certain code language, 'WINTER' is coded as XJXQKX and 'AUTUMN' is coded as TRYWWB. How will 'SEASON' be coded in the same language?**

Ans
✗ 1. RTXCTT
✗ 2. TRXCGT
✗ 3. TGDWTT
✓ 4. TTWDGT

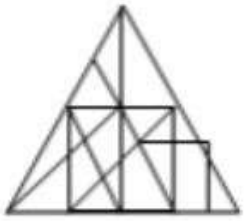
Question ID : **264330132218**
Status : **Answered**
Chosen Option : **4**

Q.13 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

(X)

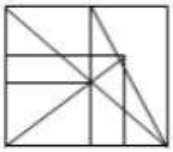
Ans

✔ 1.

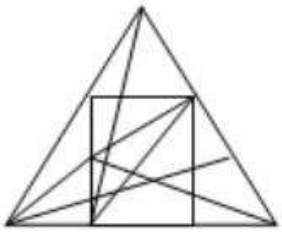


✘ 2.

✘ 3.



✘ 4.



Question ID : **26433068896**
Status : **Answered**
Chosen Option : **1**

Q.14 **Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.**
GIST: FEHGRQSR :: DUCK: CBTSBAJI :: LOPE: ?

Ans

✔ 1. KJNMONDC

✘ 2. KONDCJNM

✘ 3. KMONDCJN

✘ 4. KMONDCNM

Question ID : **26433056282**
Status : **Answered**
Chosen Option : **1**

Q.15 Select the correct combination of mathematical signs to sequentially fill in the boxes and to balance the given equation.

12 ☐ 8 ☐ 3 ☐ 2 ☐ 5 ☐ 1 ☐ 5 ☐ 10

Ans

✗ 1. −, +, ×, ×, ÷, ×, =

✗ 2. ×,−, +, ×, ÷, ×, =

✗ 3. ×, ÷, ×, ×, =,−, +

✓ 4. −, +, ×, ÷, ×, ×, =

Question ID : **264330104006**
Status : **Answered**
Chosen Option : **4**

Q.16 **Three of the following four triads are alike in a certain way as they are formed by performing same mathematical operations among themselves and thus form a group. Which triad does NOT belong to that group?**

Ans

✗ 1. 24 : 25 : 5

✓ 2. 35 : 36 : 6

✗ 3. 8 : 15 : 3

✗ 4. 3 : 10 : 2

Question ID : **264330143696**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.17 **Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.**

Ans

✗ 1. EHV

✗ 2. BEY

✓ 3. JMP

✗ 4. GJT

Question ID : **26433092558**
Status : **Answered**
Chosen Option : **3**

Q.18 **Which of the following numbers will replace the question mark (?) in the given series?**
32, ? , 44, 56, 72, 92

Ans

✗ 1. 34

✓ 2. 36

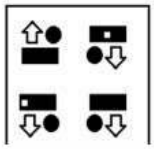
✗ 3. 38

✗ 4. 40

Question ID : **26433090924**
Status : **Answered**
Chosen Option : **2**

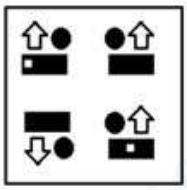
Q.19 Which of the answer figures is the exact mirror image of the given problem figure when the mirror is held at the right side?

Problem figure:

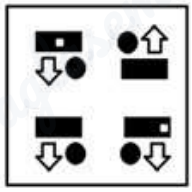


Ans

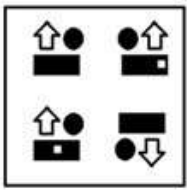
✗ 1.



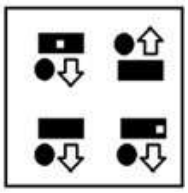
✓ 2.



✗ 3.



✗ 4.



Question ID : **26433067419**
Status : **Answered**
Chosen Option : **2**

Q.20 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /Subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
(10, 5, 52)
(35, 7, 250)

Ans

✓ 1. (8, 4, 34)

✗ 2. (14, 8, 90)

✗ 3. (8, 9, 10)

✗ 4. (20, 5, 300)

Question ID : **26433089591**
Status : **Answered**
Chosen Option : **1**

Q.21 Select the set in which the numbers are related in the same way as are the numbers of the following sets
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
(4, 14, 56)
(6, 15, 90)

Ans
✗ 1. (8, 13, 106)
✗ 2. (9, 15, 125)
✗ 3. (7, 17, 118)
✓ 4. (7, 16, 112)

Question ID : **26433070229**
Status : **Answered**
Chosen Option : **4**

Q.22 Which of the following terms will replace the question mark (?) in the given series?
AXY, EZW, ICU, OHS, ?

Ans
✓ 1. UOQ
✗ 2. UPQ
✗ 3. UNQ
✗ 4. VOQ

Question ID : **26433086944**
Status : **Answered**
Chosen Option : **1**

Q.23 In a certain code language, if 'PDFJARS' is written as 'OCELZQR' and 'MHCXBTU' is written as 'LGBZAST', how will 'ZVDGENQ' be written in the same code language?

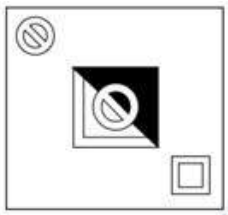
Ans
✗ 1. XUYCIMP
✓ 2. YUCIDMP
✗ 3. XUCDEMQ
✗ 4. XVDEDNO

Question ID : **264330126657**
Status : **Answered**
Chosen Option : **2**

Q.24 **Select the figure that will come in place of the question mark (?) in the following figure series.**

Ans

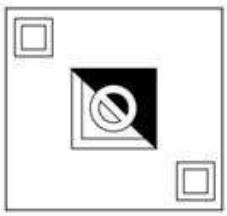
✗ 1.



✗ 2.

✓ 3.

✗ 4.

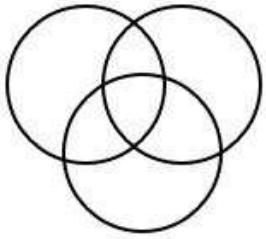


Question ID : **26433076562**
Status : **Answered**
Chosen Option : **3**

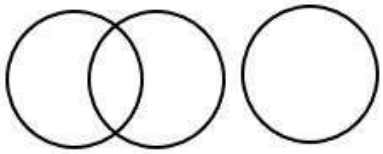
Q.25 **Select the Venn diagram that best illustrates the relationship between the following classes.**
Women, Sister, Wife

Ans

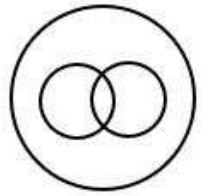
✗ 1.



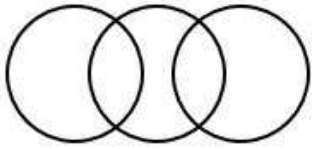
✗ 2.



✓ 3.



✗ 4.



Question ID : **26433090918**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 **Bramho Samaj was founded by whom?**

Ans

✓ 1. Raja Ram Mohan Roy

✗ 2. Keshab Chandra Sen

✗ 3. Debendranath Tagore

✗ 4. Dayanand Saraswati

Question ID : **264330109058**
Status : **Answered**
Chosen Option : **1**

Q.2 **Who among the following, along with her close associates, started the secret congress radio during the Quit India Movement?**

Ans

✗ 1. Bhikaiji Cama

✗ 2. Lakshmi Sehgal

✗ 3. Sarojini Naidu

✓ 4. Usha Mehta

Question ID : **264330130566**
Status : **Answered**
Chosen Option : **3**

Q.3 **Which Kushana ruler was famous in history as a great patron of Buddhism and organised the fourth Buddhist Council?**

Ans
✗ 1. Vasudeva I
✗ 2. Vima Kadphises
✓ 3. Kanishka
✗ 4. Huvishka

Question ID : **264330114068**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **Akham Lakshmi Devi, a recipient of the Sangeet Natak Akademi award, is renowned for which of the following dances?**

Ans
✗ 1. Kathak
✗ 2. Odissi
✗ 3. Sattriya
✓ 4. Manipuri

Question ID : **26433055416**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **Why can you not see objects in a dim lit room when you come from a brightly lit room?**

Ans
✗ 1. The iris dilates the eye lens to allow less light to enter the eye.
✓ 2. The iris contracts the pupil to allow less light to enter the eye.
✗ 3. The vitreous humour dilates the pupil to allow less light to enter the eye.
✗ 4. The cornea contracts the pupil to allow less light to enter the eye.

Question ID : **264330138721**
Status : **Answered**
Chosen Option : **2**

Q.6 **Guru Bipin Singh is associated with which of these dance forms?**

Ans
✗ 1. Kathak
✗ 2. Odissi
✓ 3. Manipuri
✗ 4. Kathakali

Question ID : **264330109292**
Status : **Answered**
Chosen Option : **1**

Q.7 **Which of the following is the correct duration of 'Financial Year 2022-23' in India?**

Ans
✗ 1. 1 January 2022 to 1 January 2023
✗ 2. 30 April 2022 to 1 March 2023
✗ 3. 30 April 2022 to 31 March 2023
✓ 4. 1 April 2022 to 31 March 2023

Question ID : **264330109575**
Status : **Answered**
Chosen Option : **4**

Q.8 Which of the following pairs of countries are going to host 2022 FIVA Volleyball Women's World Championship?

Ans
1. Poland and Slovenia
2. Poland and Netherlands
3. Belarus and Slovenia
4. Lithuania and Poland

Question ID : **264330106647**
Status : **Not Answered**
Chosen Option : **--**

Q.9 पारंपरिक भारतीय ऋतुओं के अनुसार, निम्नलिखित में से कौन-सी ऋतु नवम्बर-दिसम्बर के महीनों में आती है?

Ans
1. शरद
2. शिशिर
3. हेमंत
4. वसंत

Question ID : **264330113280**
Status : **Answered**
Chosen Option : **2**

Q.10 According to World Bank, what was the density of the population of Sri Lanka in 2020?

Ans
1. 554 Persons per sq. km.
2. 300 Persons per sq. km.
3. 354 Persons per sq. km.
4. 364 Persons per sq. km.

Question ID : **26433079547**
Status : **Not Answered**
Chosen Option : **--**

Q.11 Which of the following is found in plant cells only?

Ans
1. Cell membrane
2. Cell wall
3. Nucleolus
4. Mitochondria

Question ID : **26433066489**
Status : **Answered**
Chosen Option : **4**

Q.12 Which Mughal ruler contributed to the revolt of 1857?

Ans
1. Shahalam II
2. Bahadur shah I
3. Alamgir II
4. Bahadur shah II

Question ID : **264330114039**
Status : **Answered**
Chosen Option : **4**

Q.13 Which of the following states presented the 'Child Budget' for the first time in March 2022 as a part of their annual financial plan?

Ans
✗ 1. Andhra Pradesh
✓ 2. Madhya Pradesh
✗ 3. Uttar Pradesh
✗ 4. Arunachal Pradesh

Question ID : **26433090638**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Which of the following perennial rivers is 720 km long and originates in the Himalayas in flow through chamba of Himachal Pradesh?

Ans
✗ 1. Saryu river
✗ 2. Yamuna river
✓ 3. Ravi river
✗ 4. Krishna river

Question ID : **26433055166**
Status : **Answered**
Chosen Option : **3**

Q.15 The Rourkela steel plant was set up in collaboration with Germany in which state of India?

Ans
✗ 1. Jharkhand
✗ 2. Bihar
✗ 3. Assam
✓ 4. Odisha

Question ID : **264330116457**
Status : **Answered**
Chosen Option : **4**

Q.16 The Governor of an Indian state before entering upon his office takes an oath or affirmation before _____.

Ans
✓ 1. the Chief Justice of the High Court exercising jurisdiction in relation to the State
✗ 2. the President of India
✗ 3. the Chief Minister of the concerned state
✗ 4. the Prime Minister of India

Question ID : **264330133083**
Status : **Answered**
Chosen Option : **1**

Q.17 In 2022, the Government of India urged people to hoist or display the Tricolour in their homes from August _____to 15th to celebrate Independence Day.

Ans
✗ 1. 12^{th}
✗ 2. 10^{th}
✓ 3. 13^{th}
✗ 4. 11^{th}

Question ID : **264330113177**
Status : **Answered**
Chosen Option : **3**

Q.18 **Which of the following combinations of "animal" and "area they found" is INCORRECT?**

Ans
✗ 1. Kangaroo – Australia
✓ 2. Orangutan – Caribbean islands
✗ 3. Ostrich – Savanna and desert regions,
✗ 4. Lemurs – Madagascar

Question ID : **264330110029**
Status : **Not Answered**
Chosen Option : **--**

Q.19 **Who among the following is an exponent of the classical instrument, Santoor?**

Ans
✗ 1. Pandit Kumar Gandharva
✗ 2. Pandit Bhimsen Joshi
✗ 3. Pandit Ravi Shankar
✓ 4. Pandit Shivkumar Sharma

Question ID : **26433092375**
Status : **Answered**
Chosen Option : **4**

Q.20 **The given equation provides the property of the motion of an object, traversing a circular path. What is 'v' in this equation?**
$ac = v^2/R$

Ans
✗ 1. Distance
✗ 2. Surface area
✓ 3. Speed
✗ 4. Intensity

Question ID : **264330110042**
Status : **Answered**
Chosen Option : **3**

Q.21 **In hockey, _____ is awarded if the ball goes over the back line after last being touched by a defender.**

Ans
✓ 1. long corner
✗ 2. off side
✗ 3. free hit
✗ 4. penalty corner

Question ID : **264330120059**
Status : **Answered**
Chosen Option : **4**

Q.22 **The Social Justice and Empowerment Ministry of India, which caters to the welfare of the backward classes and those with disabilities, saw _____ increase in the allocation in the Union Budget 2022-23.**

Ans
✓ 1. 12%
✗ 2. 15%
✗ 3. 5%
✗ 4. 10%

Question ID : **26433081870**
Status : **Not Answered**
Chosen Option : **--**

Q.23 **The term of trade refers to _____.**

Ans

✗ 1. the excess of import expenditures over export earnings

✗ 2. the trade agreements

✗ 3. the terms and conditions on which a country is offered loan

✓ 4. the ratio between export prices and import prices

Question ID : **264330109994**
Status : **Not Answered**
Chosen Option : **--**

Q.24 **_____of the Constitution of India says that the State shall take steps to organise panchayats and endow them with such powers and authority as may be necessary to enable them to function as units of self-government.**

Ans

✗ 1. Article 35

✓ 2. Article 40

✗ 3. Article 38

✗ 4. Article 32

Question ID : **264330110798**
Status : **Answered**
Chosen Option : **2**

Q.25 **Which of the following is a Disability Screening Mobile App developed by NCERT launched in Delhi schools to screen students with suspected disabilities?**

Ans

✗ 1. SAMAGRA

✗ 2. VIDYAN

✓ 3. PRASHAST

✗ 4. SAMAGAM

Question ID : **264330137285**
Status : **Not Answered**
Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1 The length of the longest diagonal of a cube is $7\sqrt{3}$ cm. Find its volume (in cm^3).

Ans

✗ 1. $343\sqrt{3}$

✗ 2. $49\sqrt{3}$

✗ 3. 334

✓ 4. 343

Question ID : **264330103998**
Status : **Answered**
Chosen Option : **4**

Q.2 The mean proportional of $(a+b)(a-b)^3, (a+b)^3(a-b)$ is:

Ans
- ✔ 1. $(a+b)^2 (a-b)^2$
- ✘ 2. $(a+b)^2(a-b)$
- ✘ 3. $(a+b)(a-b)^2$
- ✘ 4. a^2-b^2

Question ID : **264330103725**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.3 **A group of college students had decided to complete a project in 10 days. As 2 students dropped out every day, the project got completed at the end of the 15th day. The number of students at the beginning of the project was:**

Ans
- ✔ 1. 42
- ✘ 2. 40
- ✘ 3. 35
- ✘ 4. 45

Question ID : **264330143487**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.4 **4 men, working together, can finish a work in 18 days. How many more men are required to finish the same work in 12 days?**

Ans
- ✘ 1. 4
- ✘ 2. 3
- ✔ 3. 2
- ✘ 4. 6

Question ID : **264330131471**
Status : **Answered**
Chosen Option : **3**

Q.5 **If cos(40° + x) = sin 30°, then the value of x is:**

Ans
- ✘ 1. 22°
- ✔ 2. 20°
- ✘ 3. 19°
- ✘ 4. 23°

Question ID : **26433075284**
Status : **Answered**
Chosen Option : **2**

Q.6 **Having started from the same point and at the same time, two runners – P and Q – are running around a circular track of length 500 m in opposite directions with the speeds of 6 m/s and 10 m/s, respectively. If they exchange their speeds after meeting for the first time, who will reach the starting point first?**

Ans
- ✘ 1. Q
- ✘ 2. P
- ✔ 3. Both P and Q will reach at the same time
- ✘ 4. No one of the P and Q

Question ID : **26433099013**
Status : **Answered**
Chosen Option : **2**

Q.7 **A cuboid with sides 4, 6 and 8 units is covered with paper. The paper is removed and a square is made from it. What is the side (in units) of the square?**

Ans
✗ 1. 12.24
✗ 2. 16.62
✓ 3. 14.42
✗ 4. 12.62

Question ID : **26433081749**
Status : **Marked For Review**
Chosen Option : **3**

Q.8 **S deposits a total of ₹50,000 in two accounts which give 8% and 12% simple interest annually, respectively. After one year, he gets a total ₹5,200. How much money does he deposit in the account with a 12% interest rate?**

Ans
✓ 1. ₹30,000
✗ 2. ₹32,000
✗ 3. ₹20,000
✗ 4. ₹25,000

Question ID : **264330112101**
Status : **Answered**
Chosen Option : **1**

Q.9 Study the given table and answer the question that follows.

The table represents the expenditure of a company (in thousand rupees) per annum over the given year.

Year	Expenditure			
	Salary	Transport	Interest	Tax
2018	200	90	3	80
2019	250	100	2.5	100
2020	300	120	3	70
2021	350	130	3.5	80

What is the average amount of salary per year, which the company has to pay during these four years?

Ans
✗ 1. ₹2,80,000
✗ 2. ₹3,00,000
✗ 3. ₹2,00,000
✓ 4. ₹2,75,000

Question ID : **264330126205**
Status : **Answered**
Chosen Option : **4**

Q.10 **Tarun owned a plot of land having an area that was 10% more than the area of the plot owned by Basab, while the area of the plot of land owned by Nakul was 40% more than the area of the plot owned by Tarun. If the area of the plot owned by Nakul was 2695 square feet, what was the area (in square feet) of the plot owned by Basab?**

Ans
✓ 1. 1750
✗ 2. 1740
✗ 3. 1780
✗ 4. 1800

Question ID : **264330103248**
Status : **Answered**
Chosen Option : **1**

Q.11 Simplify the expression $\frac{s^2+t^2+2st-u^2}{s^2-t^2-2tu-u^2}$, provided $(s+t+u) \neq 0$.

Ans
✔ 1. $\frac{s+t-u}{s-t-u}$
✘ 2. $\frac{s+t+u}{s-t+u}$
✘ 3. $\frac{s-t-u}{s+t-u}$
✘ 4. $\frac{s-t+u}{s+t+u}$

Question ID : **264330124000**
Status : **Answered**
Chosen Option : **1**

Q.12 **Find (1 / sinθ) – sinθ.**

Ans
✔ 1. Cosθ cotθ
✘ 2. cosθ secθ
✘ 3. cosθ cosecθ
✘ 4. cosθ tanθ

Question ID : **264330129969**
Status : **Answered**
Chosen Option : **1**

Q.13 **A shopkeeper purchased 1600 mangos at the rate of ₹120 per dozen. Out of these, he sold 900 mangoes at ₹15 per mango and the remaining mangoes at ₹14 per mango. His gain percentage is:**

Ans
✔ 1. 45.625%
✘ 2. 38.265%
✘ 3. 35.625%
✘ 4. 48.765%

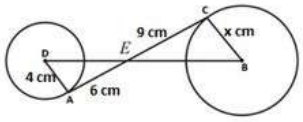
Question ID : **26433082375**
Status : **Answered**
Chosen Option : **1**

Q.14 **A thief steals an item and escapes, running at a speed of 15 km/h. A policeman arrives at the spot of the crime after 4 minutes and immediately starts chasing the thief. 16 minutes after the policeman started to chase the thief; there is still a gap of 200 m between the two. At what distance from the spot of the crime will the policeman catch up the thief and what is the speed (in km/h) of the policeman?**

Ans
✘ 1. 5.5 km; 16.5
✔ 2. 6 km; 18
✘ 3. 6.5 km; 19.5
✘ 4. 5 km; 15

Question ID : **264330143473**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

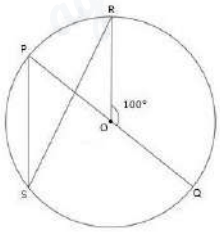
Q.15 In the following figure, the circles with centres B and D have radii 4 cm and x cm, respectively. AC is a tangent to both the circles. Find the value of x.



Ans
- ✔ 1. 6
- ✘ 2. 3
- ✘ 3. 7
- ✘ 4. 5

Question ID : **26433083007**
Status : **Answered**
Chosen Option : **1**

Q.16 In the figure given below, PQ is the diameter of the circle with centre O. If $\angle QOR = 100°$ then the measure of $\angle PSR$ is:



Ans
- ✘ 1. 160°
- ✘ 2. 80°
- ✔ 3. 40°
- ✘ 4. 100°

Question ID : **26433072979**
Status : **Marked For Review**
Chosen Option : **3**

Q.17 If $(a + b - c) = 20$, and $a^2 + b^2 + c^2 = 152$, find the value of $a^3 + b^3 - c^3 + 3abc$.

Ans
- ✘ 1. 480
- ✘ 2. 720
- ✘ 3. 640
- ✔ 4. 560

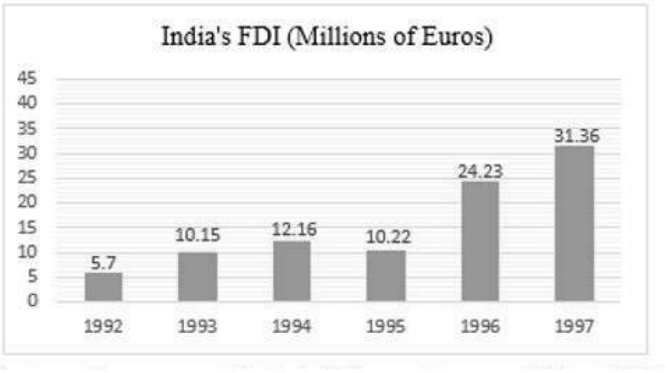
Question ID : **264330101354**
Status : **Answered**
Chosen Option : **4**

Q.18 **A 40-litre mixture contains 25% alcohol and 75% water. If 10 litres of water are added to the mixture, the percentage of alcohol in the new mixture is:**

Ans
- ✘ 1. 27%
- ✘ 2. 18%
- ✔ 3. 20%
- ✘ 4. 25%

Question ID : **264330103514**
Status : **Answered**
Chosen Option : **3**

Q.19 The following bar chart shows the vends of foreign direct investment (FDI) into India from all over the world.



Ans
✗ 1. 15.2
✗ 2. 15.7
✓ 3. 15.6
✗ 4. 15.5

Question ID : **26433096372**
Status : **Answered**
Chosen Option : **3**

Q.20 **The marked price of a microwave oven is ₹15,990 and it is sold for ₹12,792. What is the rate of discount offered?**

Ans
✗ 1. 25%
✓ 2. 20%
✗ 3. 21%
✗ 4. 24%

Question ID : **264330103958**
Status : **Answered**
Chosen Option : **2**

Q.21 **- 7p - [3q - {8p - (4q - 10p)}] = ?**

Ans
✗ 1. 7p - 11q
✓ 2. 11p - 7q
✗ 3. 9p - 12q
✗ 4. 12p - 9q

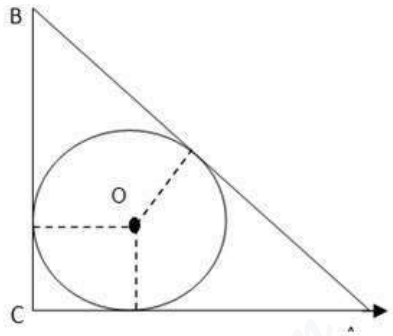
Question ID : **264330143476**
Status : **Answered**
Chosen Option : **2**

Q.22 **20 women and 15 men together can complete a work in 6 days. It takes 150 days for a single woman to complete the work. In how many days can a single man complete the work?**

Ans
✓ 1. 450
✗ 2. 225
✗ 3. 350
✗ 4. 210

Question ID : **264330112235**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.23 A circle of radius 4 cm is drawn inscribed in a right angle triangle ABC, right angled at C. If AC = 12 cm, then the value of CB is:



Ans
✗ 1. 8 cm
✗ 2. 12 cm
✗ 3. 20 cm
✓ 4. 16 cm

Question ID : **264330143605**
Status : **Answered**
Chosen Option : **4**

Q.24 **Which of the following numbers is divisible by 44?**

Ans
✗ 1. 32802
✓ 2. 54736
✗ 3. 93472
✗ 4. 27048

Question ID : **264330131116**
Status : **Answered**
Chosen Option : **2**

Q.25 Simplify the expression $\frac{\sqrt{x}-\sqrt{y}}{\sqrt{x}+\sqrt{y}}$, where $x = 2$ and $y = 3$.

Ans
✗ 1. $2\sqrt{6}-6$
✗ 2. $\sqrt{6}-5$
✗ 3. $5-2\sqrt{6}$
✓ 4. $2\sqrt{6}-5$

Question ID : **264330122109**
Status : **Answered**
Chosen Option : **4**

Section : **English Comprehension**

Q.1 **Select the most appropriate meaning of the given idiom.**
You snooze, you lose

Ans
✗ 1. If you oversleep, you are likely to lose a job
✗ 2. Laziness is not good
✗ 3. You may lose your money if snoozing is not stopped
✓ 4. If you are not alert, you are likely to miss opportunities.

Question ID : **264330101302**
Status : **Answered**
Chosen Option : **4**

Q.2 **Select the most appropriate option to fill in the blank.**

Stories of dolphins' saving human lives _____ throughout history.

Ans
✗ 1. have been said
✗ 2. told
✓ 3. have been told
✗ 4. had been said

Question ID : **26433072723**
Status : **Answered**
Chosen Option : **3**

Q.3 **Select the most appropriate synonym of the given word.**
Extinct

Ans
✗ 1. Vibrant
✓ 2. Vanished
✗ 3. Active
✗ 4. Living

Question ID : **26433086428**
Status : **Answered**
Chosen Option : **2**

Q.4 **Select the most appropriate synonym of the given word.**

Glorify

Ans
✗ 1. Simplify
✗ 2. Stupefy
✓ 3. Praise
✗ 4. Strengthen

Question ID : **26433089343**
Status : **Answered**
Chosen Option : **3**

Q.5 **Select the grammatically correct sentence.**

Ans
✓ 1. It was a hectic day for Susan with a lot of purchases and a couple of meetings.
✗ 2. It was a hectic day for Susan with the lot of purchase and a couple of meetings.
✗ 3. It was a hectic day for Susan with the lot of purchase and an couple of meetings.
✗ 4. It was the hectic day for Susan with a lot of purchase and the couple of meetings.

Question ID : **26433089307**
Status : **Answered**
Chosen Option : **2**

Q.6 **Select the option that expresses the given sentence in passive voice.**

Each member of the literary club submitted various literary works for the magazine.

Ans
✗ 1. Various literary works had been submitted by each member of the literary club for the magazine.
✗ 2. Various literary works are submitted by each member of the literary club for the magazine.
✓ 3. Various literary works were submitted by each member of the literary club for the magazine.
✗ 4. Various literary works were being submitted by each member of the literary club for the magazine.

Question ID : **264330141536**
Status : **Answered**
Chosen Option : **3**

Q.7 **Select the most appropriate option to fill in the blank.**

_____ are words which have the same spelling or pronunciation but not the same meaning.

Ans
✗ 1. Acronyms
✓ 2. Homonyms
✗ 3. Synonyms
✗ 4. Antonyms

Question ID : **26433073405**
Status : **Marked For Review**
Chosen Option : **1**

Q.8 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**
A. Through the development of technologies, telecommunications, transportation, and other areas, globalisation has developed very quickly in the last few decades, resulting in economic, social, political, and cultural integration on a global scale.
B. Although technology has had both positive and harmful effects on human life, its negative repercussions must be addressed appropriately.
C. Globalisation has made significant positive contributions to economies all across the world.
D. For example — Science and technology have made remarkable strides, providing businesses with a fantastic opportunity to expand quickly even outside of national borders.

Ans
✓ 1. ACDB
✗ 2. BCDA
✗ 3. ACBD
✗ 4. CDBA

Question ID : **264330117140**
Status : **Answered**
Chosen Option : **1**

Q.9 **Select the most appropriate ANTONYM of the given word.**

Absurd

Ans
✓ 1. Sensible
✗ 2. Tolerable
✗ 3. Adorable
✗ 4. Lovable

Question ID : **26433058314**
Status : **Answered**
Chosen Option : **2**

Q.10 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**
A. Ashwagandha is an adaptogenic herb that has multiple benefits like improving thyroid functioning and reducing blood sugar levels.
B. But remember to consult a specialist while deciding the dosage and duration of continued intake.
C. It relaxes the nervous system and lowers cortisol (stress hormone) levels in the blood, thus making you feel calm and relaxed overall.
D. You can consume Ashwagandha powder or Ashwagandha capsules.

Ans
✗ 1. ADBC
✗ 2. DABC
✓ 3. ACDB
✗ 4. ADCB

Question ID : **264330143879**
Status : **Answered**
Chosen Option : **4**

Q.11 **Select the most appropriate ANTONYM of the underlined word.**
Her parents forbade her to marry her lover.

Ans
✗ 1. prevented
✗ 2. refused
✗ 3. declined
✓ 4. allowed

Question ID : **264330122969**
Status : **Answered**
Chosen Option : **4**

Q.12 **Select the option that can be used as a one-word substitute for the given group of words.**

Too strong to be defeated or changed

Ans
✓ 1. Invincible
✗ 2. Headstrong
✗ 3. Vigorous
✗ 4. Sovereign

Question ID : **26433088191**
Status : **Answered**
Chosen Option : **1**

Q.13 **Select the option that expresses the given sentence in passive voice.**
You have adopted the plan.

Ans
✗ 1. The plan should be adopted by you.
✗ 2. The plan is adopted by you.
✗ 3. The plan has being adopted by you.
✓ 4. The plan has been adopted by you.

Question ID : **264330141131**
Status : **Answered**
Chosen Option : **4**

Q.14 **Select the INCORRECTLY spelt word.**

Ans
✗ 1. Anxiety
✗ 2. Preparation
✗ 3. Voluntary
✓ 4. Stetionery

Question ID : **26433098998**
Status : **Answered**
Chosen Option : **4**

Q.15 **Select the most appropriate meaning of the given idiom.**

Out of the blue

Ans
✗ 1. Undoubtedly
✓ 2. Unexpectedly
✗ 3. Unbelievably
✗ 4. Unconcerned

Question ID : **26433089006**
Status : **Answered**
Chosen Option : **2**

Q.16 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**
The doctor came / after the patient / had / pass away.

Ans
✗ 1. The doctor came
✓ 2. pass away
✗ 3. after the patient
✗ 4. had

Question ID : **26433086454**
Status : **Answered**
Chosen Option : **2**

Q.17 **Select the most appropriate option to fill in the blank.**
We _____ off old clothes and bought new ones for Diwali.

Ans
✗ 1. cost
✗ 2. coast
✗ 3. caste
✓ 4. cast

Question ID : **264330117191**
Status : **Answered**
Chosen Option : **4**

Q.18 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**

A. Louis was enthralled by the concept of a raised dots system.
B. He made up his mind to use the technique to represent an alphabetic code.
C. Blind persons could read large-letter books that are bulky with the aid of this alphabet code.
D. Additionally, he developed the six-dot cell technology, which was at his fingertips.

Ans
✗ 1. DCAB
✗ 2. BCDA
✓ 3. ABCD
✗ 4. CDBA

Question ID : **26433098143**
Status : **Answered**
Chosen Option : **3**

Q.19 **Select the INCORRECTLY spelt word.**

Ans
✗ 1. Felicitate
✓ 2. Cotarminous
✗ 3. Ambient
✗ 4. Announce

Question ID : **26433091744**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.20 **Select the most appropriate synonym of the underlined word.**

The boxer showed <u>audacity</u> by agreeing to fight the champion.

Ans
✗ 1. Honesty
✗ 2. Desperation
✓ 3. Courage
✗ 4. Reparation

Question ID : **26433091818**
Status : **Marked For Review**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The massive ransomware attack that has crippled e-hospital services of AIIMS, Delhi, highlights the (1) _____ vulnerability of the country's healthcare infrastructure, and possibly other critical IT systems, to cybercriminals. The premier public healthcare institute (2) _____ to around 15 lakh outpatients and 80,000 inpatients every year. Consequently, there are fears that the attackers could sell the now force-encrypted AIIMS databases that contain (3) _____ information of patients-including political leaders, senior administrators, and judges, and their healthcare records on the Dark Web. Of course, what has happened to AIIMS is hardly a local phenomenon. A (4) _____ increase in cyberattacks on healthcare institutes worldwide (5) _____ during the Covid pandemic. The Indian healthcare sector was the second-most targeted globally. It is clear that Indian hospitals are vulnerable to cybersecurity. Government and hospitals need to use best practices to ward off future crises.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank 1.

Ans
✔ 1. increasing
✘ 2. strengthening
✘ 3. shining
✘ 4. developing

Question ID : **264330132837**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The massive ransomware attack that has crippled e-hospital services of AIIMS, Delhi, highlights the (1) _____ vulnerability of the country's healthcare infrastructure, and possibly other critical IT systems, to cybercriminals. The premier public healthcare institute (2) _____ to around 15 lakh outpatients and 80,000 inpatients every year. Consequently, there are fears that the attackers could sell the now force-encrypted AIIMS databases that contain (3) _____ information of patients-including political leaders, senior administrators, and judges, and their healthcare records on the Dark Web. Of course, what has happened to AIIMS is hardly a local phenomenon. A (4) _____ increase in cyberattacks on healthcare institutes worldwide (5) _____ during the Covid pandemic. The Indian healthcare sector was the second-most targeted globally. It is clear that Indian hospitals are vulnerable to cybersecurity. Government and hospitals need to use best practices to ward off future crises.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank 2.

Ans
✘ 1. catered
✘ 2. catering
✘ 3. has catered
✔ 4. caters

Question ID : **264330132838**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The massive ransomware attack that has crippled e-hospital services of AIIMS, Delhi, highlights the (1) _____ vulnerability of the country's healthcare infrastructure, and possibly other critical IT systems, to cybercriminals. The premier public healthcare institute (2) _____ to around 15 lakh outpatients and 80,000 inpatients every year. Consequently, there are fears that the attackers could sell the now force-encrypted AIIMS databases that contain (3) _____ information of patients-including political leaders, senior administrators, and judges, and their healthcare records on the Dark Web. Of course, what has happened to AIIMS is hardly a local phenomenon. A (4) _____ increase in cyberattacks on healthcare institutes worldwide (5) _____ during the Covid pandemic. The Indian healthcare sector was the second-most targeted globally. It is clear that Indian hospitals are vulnerable to cybersecurity. Government and hospitals need to use best practices to ward off future crises.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank 3.

Ans
✗ 1. political
✗ 2. public
✓ 3. personal
✗ 4. personnel

Question ID : **264330132839**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The massive ransomware attack that has crippled e-hospital services of AIIMS, Delhi, highlights the (1) _____ vulnerability of the country's healthcare infrastructure, and possibly other critical IT systems, to cybercriminals. The premier public healthcare institute (2) _____ to around 15 lakh outpatients and 80,000 inpatients every year. Consequently, there are fears that the attackers could sell the now force-encrypted AIIMS databases that contain (3) _____ information of patients-including political leaders, senior administrators, and judges, and their healthcare records on the Dark Web. Of course, what has happened to AIIMS is hardly a local phenomenon. A (4) _____ increase in cyberattacks on healthcare institutes worldwide (5) _____ during the Covid pandemic. The Indian healthcare sector was the second-most targeted globally. It is clear that Indian hospitals are vulnerable to cybersecurity. Government and hospitals need to use best practices to ward off future crises.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank 4.

Ans
✗ 1. grand
✗ 2. weighty
✓ 3. massive
✗ 4. bulk

Question ID : **264330132840**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The massive ransomware attack that has crippled e-hospital services of AIIMS, Delhi, highlights the (1) _____ vulnerability of the country's healthcare infrastructure, and possibly other critical IT systems, to cybercriminals. The premier public healthcare institute (2) _____ to around 15 lakh outpatients and 80,000 inpatients every year. Consequently, there are fears that the attackers could sell the now force-encrypted AIIMS databases that contain (3) _____ information of patients-including political leaders, senior administrators, and judges, and their healthcare records on the Dark Web. Of course, what has happened to AIIMS is hardly a local phenomenon. A (4) _____ increase in cyberattacks on healthcare institutes worldwide (5) _____ during the Covid pandemic. The Indian healthcare sector was the second-most targeted globally. It is clear that Indian hospitals are vulnerable to cybersecurity. Government and hospitals need to use best practices to ward off future crises.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank 5.

Ans

✗ 1. has witnessed

✗ 2. is witnessed

✗ 3. was witness

✓ 4. has been witnessed

Question ID : **264330132841**
Status : **Answered**
Chosen Option : **1**