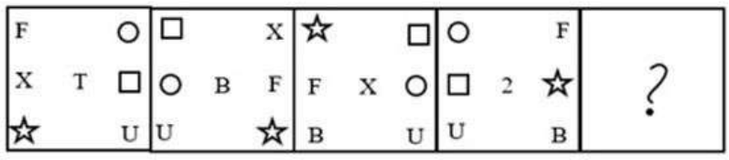
Combined Graduate level Examination 2023 Tier I

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

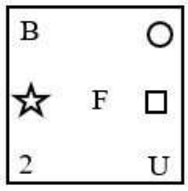
Section : **General Intelligence and Reasoning**

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

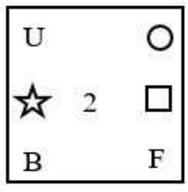


Ans

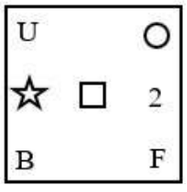
✔ 1.



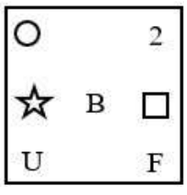
✘ 2.



✘ 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 –

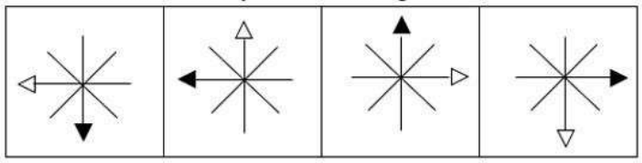
✘ 2. 784 and 30, + and ×

✘ 3. 784 and 6, × and –

✘ 4. 9 and 6, ÷ and +

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

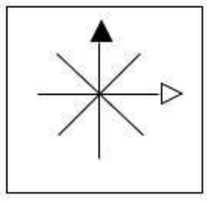
Q.3 Which of the given figures when placed in the 5th position would continue the series that is established by the first four figures?



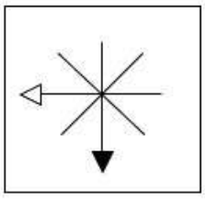
1 2 3 4

Ans

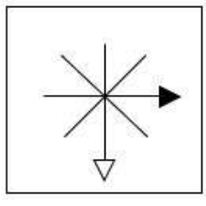
✘ 1.



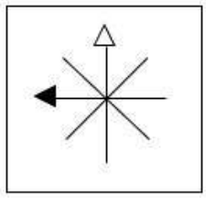
✔ 2.



✘ 3.



✘ 4.

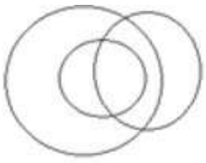


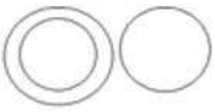
Question ID : **26433087312**
Status : **Answered**
Chosen Option : **2**

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

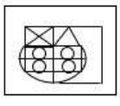
✗ 2. Z R Y Z R

✗ 3. R Z R Y Z

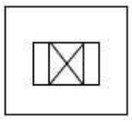
✗ 4. Z R R Y Z

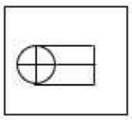
Question ID : **264330143729**
Status : **Answered**
Chosen Option : **1**

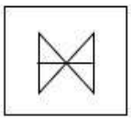
Q.16 Select the option figure which is embedded in the given figure (rotation is NOT allowed).

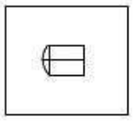


Ans

✗ 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

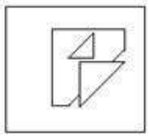
✗ 3. 25

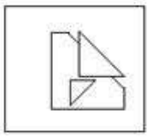
✗ 4. 30

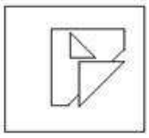
Question ID : **264330143713**
Status : **Not Answered**
Chosen Option : **--**

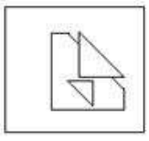
Q.19 Select the correct mirror image of the given figure when the mirror is placed at the right side of the figure.

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

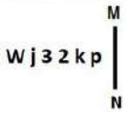
Question ID : **26433090927**
Status : **Answered**
Chosen Option : **3**

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?**

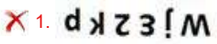
Ans
1. 5875
2. 5874
3. 5884
4. 5774

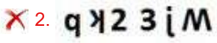
Question ID : **26433091588**
Status : **Answered**
Chosen Option : **2**

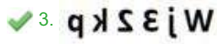
Q.24 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

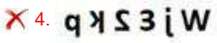


Ans

✗ 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 cosec75°.

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 20th 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

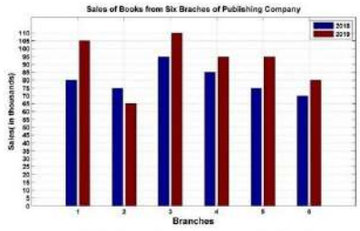
✓ 2. 16

✗ 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 off to two decimal places)

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. $\sqrt{7}$

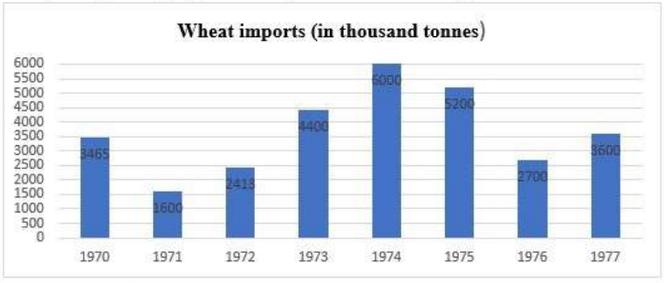
✗ 2. $\sqrt{5}$

✓ 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.

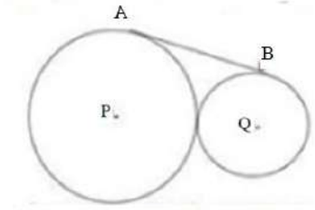


Figure is not to scale and is only for representational purpose

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**