

## Combined Graduate Level Examination 2024 Tier I

Exam Date	13/09/2024
Exam Time	4:00 PM - 5:00 PM
Subject	Combined Graduate Level Examination Tier I

### Section : General Intelligence and Reasoning

**Q.1** Each of the letters in the word 'REDUCTION' are arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is the third from the left end and the fourth from the left end in the group of letters thus formed?

- Ans
- ☐ 1. Two
  - ☐ 2. One
  - ☒ 3. Three
  - ☐ 4. Four

**Q.2** In a certain code language,  
'A ? B' means 'A is the mother of B',  
'A ! B' means 'A is the wife of B',  
'A & B' means 'A is the brother of B' and  
'A x B' means 'A is the father of B'.  
Which of the following means that Z is the wife's father's mother of L?

- Ans
- ☐ 1. Z & B ! T x J ? L
  - ☐ 2. Z ! B x T ? J & L
  - ☒ 3. Z ? B x T & J ! L
  - ☐ 4. Z ? B ! T & J x L

**Q.3** Six letters B, F, D, X, N and A are written on different faces of a dice. Two positions of this dice are shown in the figures below. Find the letter on the face opposite to D.

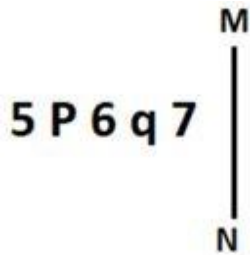


- Ans
- ☒ 1. A
  - ☐ 2. N
  - ☐ 3. B
  - ☐ 4. F

**Q.4** The following contains two pairs of words which are related to each other in a certain way. Three of the following four word-pairs are alike as these have the same relationship and thus form a group. Which word-pair does NOT belong to that group? (The words must be considered as meaningful English words and must not be grouped based on the number of letters/number of consonants/vowels in the word)

- Ans
- ☐ 1. Joy - Peace
  - ☒ 2. Misery - Happiness
  - ☐ 3. Problem - Concern
  - ☐ 4. Worry - Fear

Q.5 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- ☒ 1.
  - ☒ 2.
  - ☒ 3.
  - ☒ 4.

Q.6 Which of the following terms will replace the question mark (?) in the given series?  
BHVC, ZLTG, XPRK, ? , TXNS

- Ans
- ☒ 1. VTPO
  - ☒ 2. VTPN
  - ☒ 3. VPTN
  - ☒ 4. VPTO

Q.7 Which figure should replace the question mark (?) if the following series were to be continued?

2		D	X	↑	D	X	2	↑	
O	X	5	2	O	7	7	2	O	D
↑			D		↑			X	
									?

Ans

✗ 1.

↑		X
7	S	D
2		

✓ 2.

X		2
S	D	7
↑		

✗ 3.

↑		X
S	D	7
2		

✗ 4.

X		2
7	S	D
↑		

Q.8 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying 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 – 27 – 31 – 36; 10 – 30 – 34 – 39

Ans

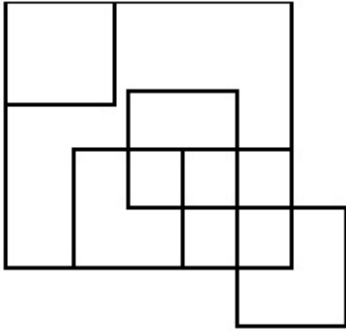
✗ 1. 8 – 24 – 28 – 35

✗ 2. 15 – 45 – 50 – 55

✗ 3. 11 – 33 – 38 – 44

✓ 4. 5 – 15 – 19 – 24

**Q.9** How many squares are there in the figure shown below?



**Ans** ☒ 1. 11

☐ 2. 13

☐ 3. 9

☐ 4. 10

**Q.10** Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.  
(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/deleting/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.)

63 : 441

51 : 357

**Ans** ☐ 1. 68 : 340

☐ 2. 54 : 324

☒ 3. 39 : 273

☐ 4. 89 : 96

**Q.11** Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.  
(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)  
Kaziranga : Rhinoceros

**Ans** ☐ 1. Gahirmatha : Lions

☒ 2. Periyar : Elephants

☐ 3. Ranthambore : Peacocks

☐ 4. Gir : Leopards

**Q.12** 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)  
Magician : Magic :: Dancer : ?

**Ans** ☒ 1. Dance

☐ 2. Theatre

☐ 3. Movie

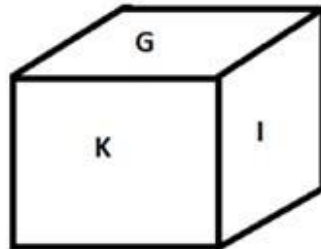
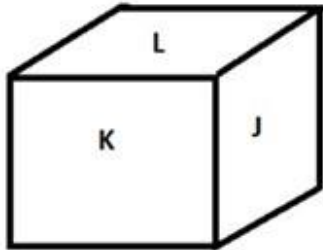
☐ 4. Song

Q.13 Select the option that represents the letters that when sequentially placed from left to right in the blanks below will complete the letter series.

\_ O \_ O \_ \_ O \_ P \_ O \_

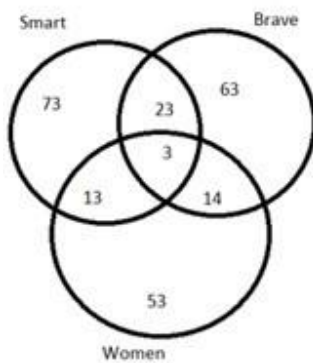
- Ans
- ☒ 1. PPOOPOP
  - ☒ 2. OOPPPOO
  - ☒ 3. OPOPOOP
  - ☒ 4. PPOOPOO

Q.14 Six letters G, H, I, J, K and L are written on different faces of a dice. Two positions of this dice are shown in the figure below. Find the letter on the face opposite to G.



- Ans
- ☒ 1. K
  - ☒ 2. I
  - ☒ 3. L
  - ☒ 4. J

Q.15 Study the given Venn diagram and answer the question that follows.



How many women are either smart or brave or both?

- Ans
- ☒ 1. 27
  - ☒ 2. 23
  - ☒ 3. 30
  - ☒ 4. 26

Q.16 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series?

P	0	W	P	X	W	1	X	
1		0		P		W		?
W	X	X	1	1	0	0	P	

Ans

✓ 1.

0	1
X	
P	W

✗ 2.

0	1
P	
W	X

✗ 3.

P	0
1	
W	X

✗ 4.

0	1
X	
W	P

Q.17 What will come in place of the question mark (?) in the following equation if '+' and '×' are interchanged and '-' and '÷' are interchanged?

$$27 - 6 + 4 \times 8 \div 6 = ?$$

Ans

✗ 1. 22

✗ 2. 18

✗ 3. 16

✓ 4. 20

**Q.18** 13 is related to 117 following a certain logic. Following the same logic, 23 is related to 207. To which of the following is 51 related, following the same logic?

(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 /deleting /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. 350
  - ☐ 2. 450
  - ☐ 3. 359
  - ☒ 4. 459

**Q.19** What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$2864 \times 4 - 168 \div 2 + 69 = ?$$

- Ans
- ☐ 1. 389
  - ☒ 2. 983
  - ☐ 3. 839
  - ☐ 4. 938

**Q.20** Which of the following numbers will replace the question mark (?) in the given series?  
22, 23, 27, 54, 70, 195, ?

- Ans
- ☐ 1. 196
  - ☐ 2. 230
  - ☐ 3. 200
  - ☒ 4. 231

**Q.21** In a certain code language, 'VAT' is coded as '43' and 'AWW' is coded as '47'. How will 'ZHU' be coded in that language?

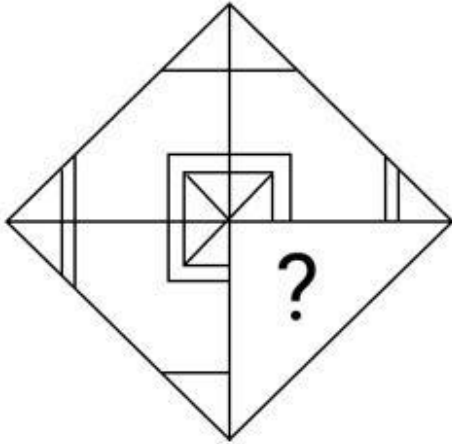
- Ans
- ☐ 1. 63
  - ☐ 2. 48
  - ☒ 3. 55
  - ☐ 4. 62

**Q.22** Three of the following four options are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(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.)

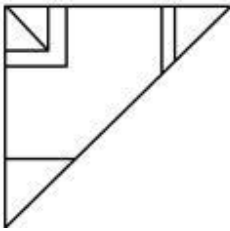
- Ans
- ☐ 1.  $360 - 12 - 6$
  - ☒ 2.  $82 - 8 - 2$
  - ☐ 3.  $63 - 6 - 3$
  - ☐ 4.  $164 - 10 - 4$

Q.23 Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern.

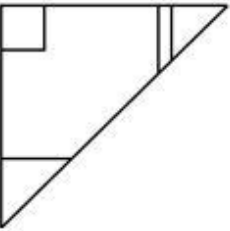


Ans

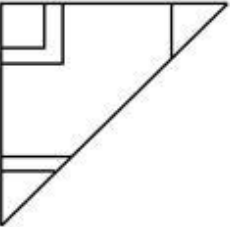
✓ 1.



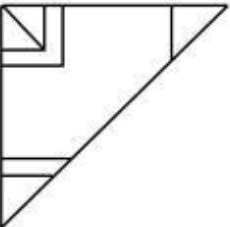
✗ 2.



✗ 3.



✗ 4.



Q.24 In a certain code language, 'ESTATE' is written as '80', 'FAMOUS' is written as '85', how will 'FOREST' be written in that language?

Ans ✓ 1. 93

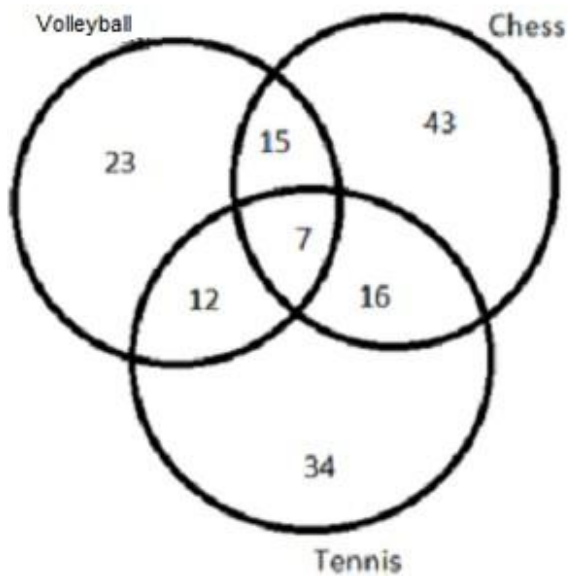
✗ 2. 88

✗ 3. 83

✗ 4. 90



How many people play either only volleyball or only chess as per the given Venn diagram?



Section : General Awareness

**Q.1** Which of the following is NOT a component of a flower?

- Ans** ✗ 1. Androecium  
✗ 2. Corolla  
✓ 3. Spines  
✗ 4. Calyx

**Q.2** Where was the Hindu College established in the year 1791?

- Ans** ✗ 1. Mathura  
✗ 2. Kolkata  
✓ 3. Benaras  
✗ 4. Patna

**Q.3** Where is the Gulf of Mannar located?

- Ans** ✗ 1. Between the south-eastern tip of India and the eastern coast of Sri Lanka  
✓ 2. Between the south-eastern tip of India and the western coast of Sri Lanka  
✗ 3. Between the south-eastern tip of India and the north-western coast of Sri Lanka  
✗ 4. Between the south-eastern tip of India and the southern coast of Sri Lanka

**Q.4** Who among the following won a Gold Medal at the 2021 World Cadet Wrestling Championship held in Budapest, Hungary?

- Ans**
- ☐ 1. Geeta Phogat
  - ☐ 2. Vinesh Phogat
  - ☐ 3. Pooja Dhanda
  - ☒ 4. Priya Malik

**Q.5** Sangeet Kala Acharya Award is given by which organisation every year since 1993?

- Ans**
- ☒ 1. Madras Music Academy
  - ☐ 2. Calcutta School of Music
  - ☐ 3. Shankar Mahadevan Academy
  - ☐ 4. Subramaniam Academy of Performing Arts

**Q.6** Which of the following is an example of a non-tax revenue source for the government?

- Ans**
- ☒ 1. Fees and fines
  - ☐ 2. Personal income tax
  - ☐ 3. Corporate income tax
  - ☐ 4. Value-added tax

**Q.7** Sangeet Natak Akademy Awardee Sulochana Chavan was a famous \_\_\_\_\_ singer.

- Ans**
- ☐ 1. Giddha
  - ☐ 2. Jhumair
  - ☐ 3. Ghumar
  - ☒ 4. Lavani

**Q.8** Which of the following plants is used to cure cold and cough?

- Ans**
- ☒ 1. Tulsi
  - ☐ 2. Babool
  - ☐ 3. Jamun
  - ☐ 4. Arjun

**Q.9** Which is the colloquial term to describe the occurrence of pre-monsoon rains in India especially in parts of Kerala, Karnataka and Tamil Nadu?

- Ans**
- ☒ 1. Mango showers
  - ☐ 2. Kalbaisakhi
  - ☐ 3. Nor Westers
  - ☐ 4. Orange showers

**Q.10** The name 'Piyadassi' is associated with whom among the following Mauryan kings?

- Ans**
- ☐ 1. Bindusara
  - ☐ 2. Brihadratha
  - ☒ 3. Ashoka
  - ☐ 4. Chandragupta Maurya

**Q.11** The festival of 'Rath Yatra' of Puri in Odisha is dedicated to which deity?

- Ans**
- ☒ 1. Lord Jagannath
  - ☐ 2. Lord Ganesha
  - ☐ 3. Lord Shiva
  - ☐ 4. Lord Hanuman

**Q.12** How many members are nominated by the President to the Rajya Sabha?

- Ans**
- ☒ 1. 12
  - ☐ 2. 10
  - ☐ 3. 20
  - ☐ 4. 15

**Q.13** Which of the following is NOT the socio-economic objective of Industrial Policy Statement 1980?

- Ans**
- ☐ 1. Higher employment generation
  - ☐ 2. Consumer protection against high prices and bad quality
  - ☐ 3. Promotion of export-oriented industries
  - ☒ 4. Allowing the maximum foreign direct investment

**Q.14** In which of the following years will India host the World Badminton Championship?

- Ans**
- ☐ 1. 2025
  - ☐ 2. 2028
  - ☒ 3. 2026
  - ☐ 4. 2027

**Q.15** Grignard reagent is represented as:

- Ans**
- ☐ 1.  $\text{CH}_3\text{-Ca-F}$
  - ☐ 2.  $\text{CH}_3\text{-Be-F}$
  - ☒ 3.  $\text{CH}_3\text{-Mg-Cl}$
  - ☐ 4.  $\text{H-Mg-H}$

**Q.16** Which of the following crops is NOT grown during the Zaid season in India?

- Ans**
- ☒ 1. Rice
  - ☐ 2. Cucumber
  - ☐ 3. Watermelon
  - ☐ 4. Muskmelon

**Q.17** Who was the player of the match in the semi-final of the T20 Women's World Cup 2023 played between India and Australia?

- Ans**
- ☐ 1. Deepti Sharma
  - ☒ 2. Ashleigh Gardner
  - ☐ 3. Meg Lanning
  - ☐ 4. Harmanpreet kaur

**Q.18** As per article 123, the ordinance making power is the most important legislative power of \_\_\_\_\_.

- Ans**
- ☒ 1. President
  - ☐ 2. Rajya Sabha
  - ☐ 3. Legislative council
  - ☐ 4. Chief Justice of India

**Q.19** In which year was the Gandhi-Irwin Pact signed?

- Ans**
- ☐ 1. 1935
  - ☐ 2. 1929
  - ☒ 3. 1931
  - ☐ 4. 1941

**Q.20** Which of the following schemes was launched for the welfare of the unorganised sector workers and labourers on 26 August 2021?

- Ans**
- ☒ 1. e-Shram Portal
  - ☐ 2. PM Mentoring Yuva Scheme
  - ☐ 3. PM Daksh Yojana
  - ☐ 4. Gram Ujala Scheme

**Q.21** What is the SI unit of current?

- Ans**
- ☐ 1. Ohm
  - ☒ 2. Ampere
  - ☐ 3. Metre
  - ☐ 4. Volt

**Q.22** Name a common electrolyte disorder that occurs when the amount of sodium in your blood becomes abnormally low.

- Ans**
- ☐ 1. Hyperkalemia
  - ☐ 2. Hypokalemia
  - ☒ 3. Hyponatremia
  - ☐ 4. Hybern timers

**Q.23** Dr. B. R. Ambedkar described Directive Principles of State Policy as \_\_\_\_\_ of the Indian constitution.

- Ans**
- ☐ 1. soul of the state
  - ☐ 2. identity card of the constitution
  - ☐ 3. The most precious part of the constitution
  - ☒ 4. a novel feature of the constitution

**Q.24** Tera Tali folk dance is primarily associated with which of the following states?

- Ans**
- ☒ 1. Rajasthan
  - ☐ 2. Assam
  - ☐ 3. Madhya Pradesh
  - ☐ 4. Haryana

**Q.25** Who among the following was the Vakil under the reign of Mughal Emperor, Akbar, who received the title of Khan-i-Khanan?

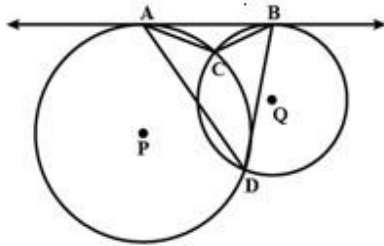
- Ans**
- ☐ 1. Mulla do-Piyaza
  - ☐ 2. Birbal
  - ☐ 3. Raja Todar Mal
  - ☒ 4. Bairam Khan

Section : Quantitative Aptitude

**Q.1** A boatman rows to a place 30 km distant and back in 14 hours. He finds that he can row 10 km with the stream at the same time as 4 km against the stream. Find the speed (in km/h) of the stream.

- Ans**
- ☐ 1.  $\frac{9}{2}$
  - ☒ 2.  $\frac{9}{4}$
  - ☐ 3.  $\frac{2}{9}$
  - ☐ 4.  $\frac{4}{9}$

- Q.2 Two circles, centred at P and Q intersect at two points C and D. AB is tangent to the two circles at A and B. If  $\angle ADB = 68^\circ$ , then  $\angle ACB =$  \_\_\_\_\_.



- Ans
- ☒ 1.  $132^\circ$
  - ☒ 2.  $112^\circ$
  - ☒ 3.  $124^\circ$
  - ☒ 4.  $102^\circ$

- Q.3 Find the remainder:  $(17^{13} - 21) \div 18$

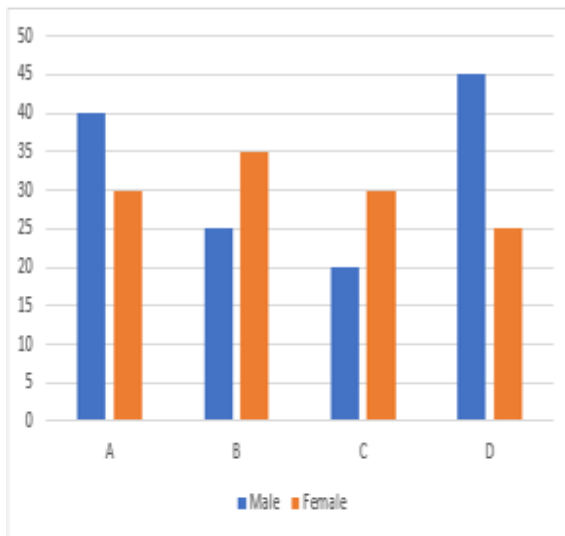
- Ans
- ☒ 1. 15
  - ☒ 2. 17
  - ☒ 3. 14
  - ☒ 4. 21

- Q.4 Simplify the following.  
 $16 \div 2 - 7 \times 15 \div 3 + 5 \times 5 + 4 \times 3 - 10$

- Ans
- ☒ 1. 1
  - ☒ 2. 2
  - ☒ 3. 0
  - ☒ 4. -1

**Q.5** Study the given graph carefully and answer the question that follows.

The given graph shows the number of male and female volunteers for helping handicapped people from four different districts A, B, C and D.



Find the number of volunteers altogether.

- Ans**
- ☐ 1. 230
  - ☒ 2. 250
  - ☐ 3. 240
  - ☐ 4. 260

**Q.6** If the curved surface area of a cylinder is  $880 \text{ cm}^2$ , then the product of its height and radius is:

- Ans**
- ☐ 1.  $90 \text{ cm}^2$
  - ☐ 2.  $120 \text{ cm}^2$
  - ☐ 3.  $220 \text{ cm}^2$
  - ☒ 4.  $140 \text{ cm}^2$

**Q.7** The angle turned by minutes hand in 25 minutes in a clock is:

- Ans**
- ☐ 1.  $\pi$
  - ☐ 2.  $\frac{\pi}{2}$
  - ☐ 3.  $\frac{5\pi}{3}$
  - ☒ 4.  $\frac{5\pi}{6}$

**Q.8** A class of 30 students appeared in a test. The average score of 12 students is 62, and that of the rest is 72. What is the average score of the class?

- Ans**
- ☐ 1. 66
  - ☒ 2. 68
  - ☐ 3. 67
  - ☐ 4. 69

**Q.9** If  $m = a \sec A$  and  $y = b \tan A$ , then find the value of  $b^2 m^2 - a^2 y^2 + \frac{a^2 y^2}{b^2 m^2} + \cos^2 A$ .

- Ans**
- ☐ 1.  $a^2 b^2$
  - ☐ 2.  $1 - a^2 b^2$
  - ☐ 3.  $a^2 b^2 + 2$
  - ☒ 4.  $a^2 b^2 + 1$

**Q.10** Two pipes P and Q can fill a tank in 36 minutes and 45 minutes, respectively. If both pipes are opened together, the time taken to fill the tank is:

- Ans**
- ☐ 1. 81 minutes
  - ☒ 2. 20 minutes
  - ☐ 3. 40.5 minutes
  - ☐ 4. 10 minutes

**Q.11** The table shows the percentage distribution of the population (only male and female) according to Gender and Literacy.

State	Percentage literate	Gender	
		Literate	Illiterate
		M : F	M : F
A	55	5 : 6	4 : 5
B	72	1 : 1	3 : 2
C	78	4 : 3	3 : 2

If the literate male population of state A is 5,00,000, then the total population of the state is:

- Ans**
- ☐ 1. 30,00,000
  - ☐ 2. 40,00,000
  - ☐ 3. 16,00,000
  - ☒ 4. 20,00,000



**Q.12** Study the given table and answer the question.

The table displays the number of cars produced (in lakhs) by six different brands between 2018 and 2023.

Which brand production is the highest, and in which year?

- Ans
- ☒ 1. E and 2019
  - ☒ 2. E and 2018
  - ☒ 3. C and 2022
  - ☒ 4. F and 2020

**Q.13** A manufacturer announces a trade discount of 30% on his products for his dealers. One of the dealers purchased 6 smart phones manufactured by the company at the rate of Rs.25,000 each. What is the amount of trade discount?

- Ans
- ☒ 1. Rs.50,000
  - ☒ 2. Rs.55,000
  - ☒ 3. Rs.1,05,000
  - ☒ 4. Rs.45,000

**Q.14** Find the mean proportional of 12.96 and 0.16.

- Ans
- ☒ 1. 1.21
  - ☒ 2. 1.96
  - ☒ 3. 1.44
  - ☒ 4. 1.69

**Q.15** The perimeters of two similar triangles  $\Delta RST$  and  $\Delta ABC$  are 26 cm and 39 cm, respectively. If  $AB = 24$  cm, then  $RS$  is \_\_.

- Ans
- ☒ 1. 16 cm
  - ☒ 2. 36 cm
  - ☒ 3. 18 cm
  - ☒ 4. 24 cm

Brand	2018	2019	2020	2021	2022	2023
A	36	40	42	45	47	42
B	23	37	28	32	34	26
C	45	47	51	54	56	48
D	35	37	42	32	36	28
E	57	56	52	38	48	42
F	43	45	56	41	52	40

**Q.16** In the following sets, which set represents the angles of a triangle?

- Ans
- ☒ 1.  $\{30^\circ, 60^\circ, 90^\circ\}$
  - ☒ 2.  $\{80^\circ, 50^\circ, 90^\circ\}$
  - ☒ 3.  $\{30^\circ, 50^\circ, 110^\circ\}$
  - ☒ 4.  $\{30^\circ, 50^\circ, 90^\circ\}$

Q.17 Simplify the following expression.

$$(g - h)^2 - (g + h)^2 + 4gh$$

Ans ☒ 1.  $4gh$

☒ 2.  $-4gh$

☒ 3. 4

☒ 4. 0

Q.18 The following table shows the percentage population of four states below poverty line, and the male to female ratios both above and below the poverty line.

State	Percentage of population below poverty line	Ratio of male to female	
		Below poverty line	Above poverty line
		Male : Female	Male : Female
P	13	1 : 2	1 : 4
Q	19	2 : 5	3 : 5
R	11	3 : 4	2 : 9
S	15	1 : 6	7 : 4

If the population of states Q and S is 14,700 each, then what is the total number of males below poverty line in these states?

Ans ☒ 1. 1276

☒ 2. 1479

☒ 3. 1113

☒ 4. 1364

Q.19 A sum of ₹10,000 is taken as a loan by Rajesh at a rate of 15% p.a. simple interest for 2 years. But Rajesh could not repay it at the agreed time and asked for an extension of two more years. So, the lender included the interest amount for the period as principal for the next two years at the same rate of interest. The total amount paid by Rajesh at the end of 4 years is:

Ans ☒ 1. ₹18,590

☒ 2. ₹16,900

☒ 3. ₹17,650

☒ 4. ₹15,630

Q.20 The area of a sector of a circle of radius 12 cm, formed by an arc of length 7 cm is:

Ans ☒ 1.  $42 \text{ cm}^2$

☒ 2.  $84 \text{ cm}^2$

☒ 3.  $21 \text{ cm}^2$

☒ 4.  $28 \text{ cm}^2$

**Q.21** Kalyan spends 80% of his income. His income increases by 15% and his expenditure also increases by 5%. The percentage of increase in his savings is:

- Ans
- ☐ 1. 50%
  - ☐ 2. 20%
  - ☒ 3. 55%
  - ☐ 4. 40%

**Q.22** A dishonest fruit-seller sells fruits at 20% profit but he uses 950 gm weight in place of 1 kg. What is the profit per cent?

- Ans
- ☐ 1.  $\frac{500}{17}\%$
  - ☒ 2.  $\frac{500}{19}\%$
  - ☐ 3.  $\frac{500}{32}\%$
  - ☐ 4.  $\frac{700}{19}\%$

**Q.23** Simplify  $\frac{1.5 \times 1.5 + 2.5 \times 2.5 + 3.5 \times 3.5 + 2 \times 1.5 \times 2.5 + 2 \times 2.5 \times 3.5 + 2 \times 1.5 \times 3.5}{1.5 + 2.5 + 3.5}$ .

- Ans
- ☐ 1. 9.5
  - ☐ 2. 6.5
  - ☐ 3. 8.5
  - ☒ 4. 7.5

**Q.24** The value of  $\left(\frac{\operatorname{cosec} A}{\operatorname{cosec} A - 1} + \frac{\operatorname{cosec} A}{\operatorname{cosec} A + 1}\right) \left(\frac{\sec A}{\sec A - 1} + \frac{\sec A}{\sec A + 1}\right)^{-1}$ , when  $A = 60^\circ$  is:

- Ans
- ☐ 1. 4
  - ☒ 2. 3
  - ☐ 3. 1
  - ☐ 4. 2

**Q.25** 2 biscuits and 1 chocolate cost ₹69. 2 chocolates and 3 cups of coffee cost ₹127. 3 biscuits, 4 chocolates and 2 cups of coffee cost ₹229. Find the total cost (in ₹) of 5 biscuits, 5 chocolates and 5 cups of coffee.

- Ans
- ☐ 1. 304
  - ☐ 2. 375
  - ☐ 3. 345
  - ☒ 4. 355

**Q.1** Choose the most appropriate **ANTONYM** for the underlined word in the given sentence.

The war was followed by a long period of prosperity.

- Ans**
- ☐ 1. Security
  - ☐ 2. Secure
  - ☐ 3. Affluence
  - ☒ 4. Failure

**Q.2** Select the option that can be used as a one-word substitute for the given phrase.

An important person who represents his/her country in a foreign country

- Ans**
- ☐ 1. Amateur
  - ☒ 2. Ambassador
  - ☐ 3. Altruist
  - ☐ 4. Anonymous

**Q.3** Select the option that expresses the given sentence in passive voice.

Martha made pancakes yesterday.

- Ans**
- ☐ 1. Pancakes had been made by Martha yesterday.
  - ☐ 2. Pancakes were being made by Martha yesterday.
  - ☒ 3. Pancakes were made by Martha yesterday.
  - ☐ 4. Pancakes was made by Martha yesterday.

**Q.4** In the given question, a statement divided into different segments is given. Rearrange all the segments to form a coherent statement.

O: also benefit from knowing

P: there are several reasons

Q: why even parents would

R: more about how and why

S: children do the things that they do

- Ans**
- ☐ 1. RQOPS
  - ☐ 2. OPQSR
  - ☒ 3. PQORS
  - ☐ 4. PQROS

**Q.5** Select the most appropriate meaning of the given idiom.

Radhika stood by Monica's side through thick and thin.

- Ans**
- ☐ 1. Under easy situations wherein she could ensure Monica's safety and security
  - ☐ 2. In all the happy moments, personally spending most of her time
  - ☒ 3. Under all conditions, no matter how challenging or difficult
  - ☐ 4. In the moments when Monica couldn't complete some simple tasks

**Q.6** Give one word substitution for :

A person who is unsure about God's existence

- Ans**
- ☐ 1. Ignorant
  - ☐ 2. Atheist
  - ☒ 3. Agnostic
  - ☐ 4. Theist

**Q.7** Select the most appropriate synonym of the underlined word in the given sentence.  
His approach was filled with such perseverance that it was difficult to overlook his merit.

- Ans**
- ☒ 1. Ignorance
  - ☒ 2. Doggedness
  - ☒ 3. Reluctance
  - ☒ 4. Monotonous

**Q.8** Select the most appropriate option that can substitute the underlined part in the following sentence.  
Everyone called the reporter a daredevil after he came back safely from the war zone.

- Ans**
- ☒ 1. a common man
  - ☒ 2. a fearless person
  - ☒ 3. an insignificant person
  - ☒ 4. a hypocrite

**Q.9** Parts of the given sentence have been underlined. Identify the part that has an error. Select 'No error' if there is no error.  
Although the team had trained diligently for months, they had still overwhelmed by the opponent's unexpected tactics.

- Ans**
- ☒ 1. No error
  - ☒ 2. had still overwhelmed
  - ☒ 3. trained diligently
  - ☒ 4. for months

**Q.10** Select the most appropriate ANTONYM of the underlined word.  
If someone babbles, it means that they talk in a confused or excited way.

- Ans**
- ☒ 1. Gossips
  - ☒ 2. Quiet
  - ☒ 3. Talkative
  - ☒ 4. Rants

**Q.11** Select the most appropriate ANTONYM of the word in the brackets to fill in the blank.

Akash went to \_\_\_\_\_ his school uniform. [sell]

- Ans**
- ☒ 1. loan
  - ☒ 2. rent
  - ☒ 3. buy
  - ☒ 4. make

**Q.12** Select the most appropriate option to substitute the underlined word segment in the given sentence.  
Carnatic music is usually performed by a small troupe of actors, consisting of a principal performer, a melodic accompaniment, and a rhythm accompaniment.

- Ans**
- ☒ 1. board of directors
  - ☒ 2. ensemble of musicians
  - ☒ 3. panel of judges
  - ☒ 4. band of singers

**Q.13** Select the option that can be used as a one-word substitute for the given group of words.

One who speaks less in a forum.

- Ans
- ☐ 1. Eccentric
  - ☐ 2. Loquacious
  - ☐ 3. Gabby
  - ☒ 4. Reticent

**Q.14** Parts of a sentence are given below in jumbled order. Select the option that gives their correct logical sequence and forms a meaningful sentence.

In November, Lakshman fell (P) / with fever (Q) / seriously ill (R) and pneumonia (S).

- Ans
- ☐ 1. P, Q, S, R
  - ☒ 2. P, R, Q, S
  - ☐ 3. P, Q, R, S
  - ☐ 4. R, Q, S, P

**Q.15** In the following sentence, four words are underlined out of which one word is misspelt. Identify the INCORRECTLY spelt word.

I felt absolutely (A) fit at the summit. My mind was absolutely clear. (B) I didn't feel tired, I felt exhelarated. (C) It was a very clear sensation. (D)

- Ans
- ☒ 1. C
  - ☐ 2. D
  - ☐ 3. B
  - ☐ 4. A

**Q.16** The following sentence has been divided into five segments. The first segment has no error. Select the option that has the segment with the grammatical error.

Due to the pandemic, / the prices of / medicines increased / every day since / last December.

- Ans
- ☐ 1. every day since
  - ☒ 2. medicines increased
  - ☐ 3. last December.
  - ☐ 4. the prices of

**Q.17** Select the option that expresses the given sentence in active voice.

I will be gifted a fancy doll by them the next day.

- Ans
- ☐ 1. They gifted me a fancy doll yesterday.
  - ☐ 2. They are gifting me a fancy doll the next day.
  - ☐ 3. They gift me a fancy doll the previous day.
  - ☒ 4. They will gift me a fancy doll tomorrow.

**Q.18** Select the most appropriate option that can rectify the incorrectly spelt word in the following sentence.

The government has ordered for the maintainance of the roads.

- Ans
- ☒ 1. maintenance
  - ☐ 2. maintainence
  - ☐ 3. maintainiance
  - ☐ 4. maintennance

**Q.19** Select the most appropriate meaning of the given word.  
**Illiterate**

- Ans**
- ☐ 1. A person who cannot speak
  - ☐ 2. One who is well-educated
  - ☒ 3. A person who cannot read and write
  - ☐ 4. Highly rated thing

**Q.20** Select the most appropriate **ANTONYM** of the given word.  
**Affirmative**

- Ans**
- ☐ 1. Sanction
  - ☒ 2. Negative
  - ☐ 3. Acquiescence
  - ☐ 4. Accession

**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.

(1) \_\_\_\_\_ a letter came to inform them that Raka's mother Tara had another breakdown and was in a nursing home in Geneva and that Raka's grandmother Asha, (2) \_\_\_\_\_ seen another grandchild safely into the world, was flying to Switzerland to be with her, Nanda Kaul (3) \_\_\_\_\_ her lips, (4) \_\_\_\_\_ the blue sheets of paper with that distasteful sprawl (5) \_\_\_\_\_ them, and hid them in her desk.

**SubQuestion No : 21**

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

- Ans**
- ☒ 1. When
  - ☐ 2. Sooner
  - ☐ 3. For
  - ☐ 4. Unless

**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.

(1) \_\_\_\_\_ a letter came to inform them that Raka's mother Tara had another breakdown and was in a nursing home in Geneva and that Raka's grandmother Asha, (2) \_\_\_\_\_ seen another grandchild safely into the world, was flying to Switzerland to be with her, Nanda Kaul (3) \_\_\_\_\_ her lips, (4) \_\_\_\_\_ the blue sheets of paper with that distasteful sprawl (5) \_\_\_\_\_ them, and hid them in her desk.

**SubQuestion No : 22**

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

- Ans**
- ☐ 1. have
  - ☐ 2. has
  - ☐ 3. had
  - ☒ 4. having

**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.

(1) \_\_\_\_\_ a letter came to inform them that Raka's mother Tara had another breakdown and was in a nursing home in Geneva and that Raka's grandmother Asha, (2) \_\_\_\_\_ seen another grandchild safely into the world, was flying to Switzerland to be with her, Nanda Kaul (3) \_\_\_\_\_ her lips, (4) \_\_\_\_\_ the blue sheets of paper with that distasteful sprawl (5) \_\_\_\_\_ them, and hid them in her desk.

**SubQuestion No : 23**

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

**Ans**  1. stuck

 2. dirt

 3. dusted

 4. pursed

**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.

(1) \_\_\_\_\_ a letter came to inform them that Raka's mother Tara had another breakdown and was in a nursing home in Geneva and that Raka's grandmother Asha, (2) \_\_\_\_\_ seen another grandchild safely into the world, was flying to Switzerland to be with her, Nanda Kaul (3) \_\_\_\_\_ her lips, (4) \_\_\_\_\_ the blue sheets of paper with that distasteful sprawl (5) \_\_\_\_\_ them, and hid them in her desk.

**SubQuestion No : 24**

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

**Ans**  1. folded up

 2. cleared up

 3. hid away

 4. tucked away

**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.

(1) \_\_\_\_\_ a letter came to inform them that Raka's mother Tara had another breakdown and was in a nursing home in Geneva and that Raka's grandmother Asha, (2) \_\_\_\_\_ seen another grandchild safely into the world, was flying to Switzerland to be with her, Nanda Kaul (3) \_\_\_\_\_ her lips, (4) \_\_\_\_\_ the blue sheets of paper with that distasteful sprawl (5) \_\_\_\_\_ them, and hid them in her desk.

**SubQuestion No : 25**

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

**Ans**  1. across

 2. at

 3. in

 4. by