

Combined Higher Secondary Level Examination 2024 Tier II

Exam Date	18/11/2024
Exam Time	9:00 AM - 12:00 PM
Subject	CHSL 2024 Tier II

Section : Module I Mathematical Abilities

Q.1 The numbers of Commerce, Science and Arts postgraduates working in a company are 40, 80 and 60, respectively. If these figures are represented by a pie chart, then what is the angle corresponding to Commerce postgraduates?

Ans

☒ 1. 80°

☐ 2. 60°

☐ 3. 50°

☐ 4. 70°

Q.2 A number 37 is divided into two parts such that 5 times one part and 11 times the other is together equal to 227. Find the value of 9 times the smaller number.

Ans

☐ 1. 60

☐ 2. 62

☒ 3. 63

☐ 4. 61

Q.3 A die is cast twice and a coin is tossed thrice. Find the probability that the die will turn a 5 each time and the coin will turn a head every time.

Ans

☐ 1. $\frac{1}{200}$

☒ 2. $\frac{1}{288}$

☐ 3. $\frac{1}{100}$

☐ 4. $\frac{1}{50}$

Q.4 The radii of the two spheres are in the ratio 4 : 5. Their volume will be in the ratio:

Ans

☒ 1. 64 : 125

☐ 2. 125 : 64

☐ 3. 4 : 5

☐ 4. 16 : 25

Q.5 If a man's age is four times the sum of the ages of his three children, and after 6 years his age will be twice the sum of the ages of his three children, then what is the man's present age?

Ans

☐ 1. 30 years

☐ 2. 45 years

☒ 3. 60 years

☐ 4. 56 years

Q.6 The average of 11 results is 59 and that of the first 10 is 58. The 11th result is?

- Ans
- ☐ 1. 58
 - ☒ 2. 69
 - ☐ 3. 68
 - ☐ 4. 59

Q.7 If an increase of 40% is observed on an amount in 4 years at simple interest, what will be the compound interest on ₹80,000 after 4 years at the same rate of interest?

- Ans
- ☐ 1. ₹39,724
 - ☐ 2. ₹17,128
 - ☒ 3. ₹37,128
 - ☐ 4. ₹29,728

Q.8 The marked price of an article is ₹2,800. It is sold at three successive discounts of 15%, 8% and 5%. Find the selling price of the article (in ₹).

- Ans
- ☐ 1. 1,923.56
 - ☐ 2. 1,890.20
 - ☒ 3. 2,080.12
 - ☐ 4. 1,997.26

Q.9 ABCD is a trapezium in which AB is parallel to CD, and E and F are the mid-points of non-parallel sides AD and BC. If EF is parallel to AB, AB = 28 cm and CD = 18 cm, then find EF (in cm).

- Ans
- ☐ 1. 5
 - ☒ 2. 23
 - ☐ 3. 10
 - ☐ 4. 46

Q.10 The surface area of a cube is 1728 cm^2 . Find its volume.

- Ans
- ☐ 1. $6453\sqrt{2} \text{ cm}^3$
 - ☐ 2. $4356\sqrt{2} \text{ cm}^3$
 - ☐ 3. $5436\sqrt{2} \text{ cm}^3$
 - ☒ 4. $3456\sqrt{2} \text{ cm}^3$

Q.11 A sum on simple interest at the rate of 5% per annum amounts to ₹4,160 in 6 years. Find the sum.

- Ans
- ☒ 1. ₹3,200
 - ☐ 2. ₹2,900
 - ☐ 3. ₹3,100
 - ☐ 4. ₹2,800

Q.12 If 88 is replaced by 93 and 41 is replaced by 47 in the following observations, 46, 48, 63, 76, 88, 41, 35, 55, 90, 56, 92, then what would be the difference between the new median and the previous median?

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

Q.13 The average of 11 results is 60 and that of the first 10 is 59. The 11th result is?

- Ans
- ☐ 1. 69
 - ☐ 2. 59
 - ☒ 3. 70
 - ☐ 4. 60

Q.14 A, B and C jointly started a business in which A invested ₹7,000 for 12 months, B invested ₹8,000 for 10 months and C invested ₹12,000 for 6 months. A was the working member for which he received 20% of the profits as his remuneration. The total profit earned at the end of one year was ₹14,750. What is C's share (in ₹) in the profit?

- Ans**
- ☐ 1. 4,000
 - ☐ 2. 2,950
 - ☒ 3. 3,600
 - ☐ 4. 4,200

Q.15 A milk vendor has 75 litres of cow milk, 45 litres of toned milk and 30 litres of full cream milk. These should be placed in different trays such that each tray contains the same quantity of milk and two kinds of milk should not be mixed in a tray. What is the least number of trays required to place all the milk?

- Ans**
- ☐ 1. 25
 - ☒ 2. 10
 - ☐ 3. 20
 - ☐ 4. 15

Q.16 Ratnesh and Vineet worked on alternate days, starting with Ratnesh. The entire work got completed in $54\frac{3}{4}$ days. If Ratnesh alone can finish the work in 48 days, then in how many days can Vineet alone do the work?

- Ans**
- ☐ 1. 60
 - ☒ 2. 64
 - ☐ 3. 66
 - ☐ 4. 62

Q.17 The average of five integers is 48. The average of the first four integers is 50% of the 5th integer. The 5th integer is:

- Ans**
- ☐ 1. 82
 - ☐ 2. 74
 - ☐ 3. 78
 - ☒ 4. 80

Q.18 Find the value of $(\sin^6 A + \cos^6 A + 3\sin^2 A \cos^2 A) - (\sin^4 A - \cos^4 A + 1)\operatorname{cosec}^2 A$.

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

Q.19 A quadrilateral having equal diagonals and equal opposite sides is always a _____.

- Ans**
- ☒ 1. rectangle
 - ☐ 2. trapezium
 - ☐ 3. kite
 - ☐ 4. rhombus

Q.20 In a triangle PQR, incentre is A and $\angle QAR = 116^\circ$. Find the measure of $\angle QPR$.

- Ans**
- ☐ 1. 27°
 - ☐ 2. 54°
 - ☐ 3. 26°
 - ☒ 4. 52°

Q.21 The value of $5 + 24 \times 8 \div 8$ of $8 - 8 \div 8 \times 4$ of 4 is equal to:

- Ans**
- ☐ 1. -9
 - ☐ 2. 8
 - ☒ 3. -8
 - ☐ 4. 9

Q.22 Simplify $(2z - 5y)^2 + (5z + 2y)^2 - 25z^2$.

- Ans
- ☐ 1. $29y^2 - 4z^2$
 - ☐ 2. $19y^2 - 4z^2$
 - ☒ 3. $29y^2 + 4z^2$
 - ☐ 4. $19y^2 + 4z^2$

Q.23 A cylinder has a radius of $\frac{8}{\pi}$ cm and its volume is 448 cm^3 . What is the height of the cylinder (take $\pi = \frac{22}{7}$)?

- Ans
- ☐ 1. 24 cm
 - ☐ 2. 23 cm
 - ☐ 3. 21 cm
 - ☒ 4. 22 cm

Q.24 Three numbers are in the ratio 5 : 7 : 9, and their LCM is 1260. What is the difference between the largest and the smallest number?

- Ans
- ☐ 1. 32
 - ☐ 2. 24
 - ☐ 3. 20
 - ☒ 4. 16

Q.25 The price of an electronic machine decreased by 5%, 10% and 15% during the first three years. What will be the price of the machine after three years if the value at the beginning was ₹ 8,000?

- Ans
- ☒ 1. ₹ 5,814
 - ☐ 2. ₹ 5,000
 - ☐ 3. ₹ 6,721
 - ☐ 4. ₹ 7,000

Q.26 The weights (in kg) of 7 cousins in a family are 54, 62, 65, 70, 60, 59, 55.

Find the median weight.

- Ans
- ☒ 1. 60 kg
 - ☐ 2. 61 kg
 - ☐ 3. 61.5 kg
 - ☐ 4. 70 kg

Q.27 Find the value of $3(\sec^2 A - 1)(\operatorname{cosec} A - 1)(\operatorname{cosec} A + 1) + 4(\operatorname{cosec}^2 A - \cot^2 A)$.

- Ans
- ☐ 1. 10
 - ☐ 2. 3
 - ☐ 3. 12
 - ☒ 4. 7

Q.28 Sandeep made a profit of 22% when he sold an overcoat for ₹8,540. Find the cost price of the overcoat.

- Ans
- ☐ 1. ₹6,500
 - ☐ 2. ₹7,500
 - ☐ 3. ₹6,000
 - ☒ 4. ₹7,000

Q.29 Tarun gives Hari a head-start of 60 seconds in a 2400 m race and still beats him by 40 seconds. If the speed of Hari is 6 m/s, find the speed of Tarun.

- Ans
- ☐ 1. 7.5 m/s
 - ☐ 2. 8.5 m/s
 - ☐ 3. 7 m/s
 - ☒ 4. 8 m/s

Q.30 For making a toy, a hemisphere is attached at one end of a cylinder and a cone is attached at the other end of the cylinder. The cylinder, the cone and the hemisphere have a common radius of 4.2 cm. The height of the cylinder and that of the cone is 7 cm. Find the volume (in cm^3) of the toy. (Use $\pi = \frac{22}{7}$)

- Ans**
-  1. 762.255
 -  2. 358.8
 -  3. 672.672
 -  4. 863.25

Section : **Module II Reasoning and General Intelligence**

Q.1 Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

Hexagon
Triangle
Pentagon
Square
Octagon

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

Q.2 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some rice is white.
Some rice is brown.
No white is wheat.

Conclusions:

I) Some wheat is brown.
II) Some rice is not wheat.
III) Some brown is not white.

- Ans**
-  1. Only I and III
 -  2. Only II
 -  3. Only III
 -  4. Only II and III

Q.3 Select the figure from the options that can replace the question mark (?) and complete the given series.



Ans

✗ 1.



✗ 2.



✓ 3.



✗ 4.



Q.4 Two statements I and II have been given. These statements may be independent causes or effects of independent causes or a common cause. One of the statements maybe the effect of the other statement. Read both the statements and select the correct option.

I. All undergraduate exams scheduled for tomorrow in Balasore have been cancelled by the university. New dates will be announced early next week.

II. High winds and very heavy rains are expected in Balasore tomorrow as the cyclone makes a landfall by 3 pm.

Ans ✗ 1. Both I and II are effects of independent causes

✗ 2. Both I and II are independent causes

✓ 3. II is the cause and I is its possible effect

✗ 4. I is the cause and II is its possible effect

Q.5 A certain number of people are sitting in a row facing the north direction. 'T' is sitting to the immediate right of 'U'. 'Y' is sitting 5th to the left of 'U'. 'Z' is an immediate neighbour of both 'T' and 'P'. 'V' is sitting 5th to the left of 'T'. 'O' is sitting at one extreme end, and there is only one person sitting between 'O' and 'Y'. If no other person is sitting in the row, what is the total number of people seated?

Ans ✓ 1. 11

✗ 2. 13

✗ 3. 14

✗ 4. 12

Q.6 Three of the following four number triads are alike in a certain way and thus form a group. Which is the number triad 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. 29 - 44 - 38
 - ☒ 2. 31 - 46 - 41
 - ☒ 3. 17 - 32 - 26
 - ☒ 4. 24 - 39 - 33

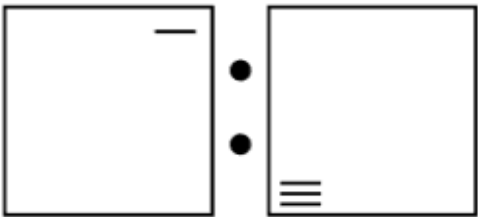
Q.7 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

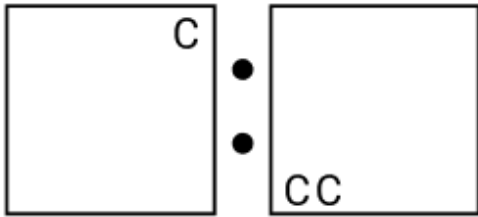
: VXB :: ACG : %

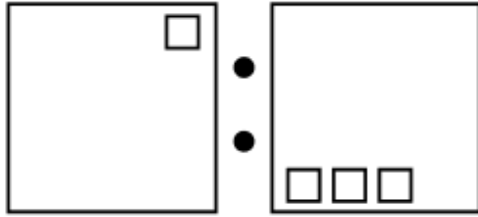
- Ans**
- ☒ 1. # - UWA, % - BDH
 - ☒ 2. # - GIM, % - KMQ
 - ☒ 3. # - HDN, % - BDH
 - ☒ 4. # - UVN, % - KMQ

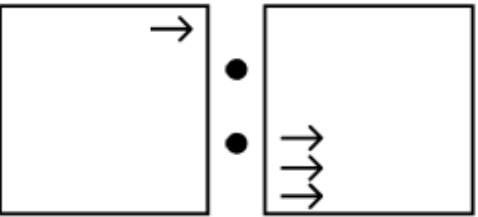
Q.8 Four figure pairs have been given, out of which three are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

Ans

☒ 1. 

☒ 2. 

☒ 3. 

☒ 4. 

Q.9 How many meaningful English words can be formed from R, O, W, D and C, using each letter mandatorily but only once in each word?

- Ans**
- ☒ 1. More than two
 - ☒ 2. Two
 - ☒ 3. One
 - ☒ 4. None

Q.10 Select the combination of letters that when sequentially placed in the blanks of the given series, will complete the series.
REMRRE_R_EEMRRE_M_

- Ans**
-  1. MRME
 -  2. EMER
 -  3. MREM
 -  4. REME

Q.11 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?
 $21 - 7 \div 144 \times 3 + 18 = ?$

- Ans**
-  1. 323
 -  2. 342
 -  3. 330
 -  4. 339

Q.12 89 is related to 78 following a certain logic. Following the same logic, 97 is related to 86. To which of the following is 72 related, following the same logic?

(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.)

- Ans**
-  1. 68
 -  2. 59
 -  3. 61
 -  4. 66

Q.13 In this question, a statement is followed by two courses of actions, numbered I and II. You must assume everything in the statement to be true and on the basis of the information given in the statement, decide which of the courses of actions logically follow(s) for pursuing.

Statement:

In spite of the principal's repeated warnings, a child was caught with a hidden mobile phone in the school.

Courses of Action:

I) The mobile phone should be taken away from the child and the parents should be called to the school.

II) The child should be punished for committing this mistake.

- Ans**
- 1. Only (II) follows
 - 2. Both (I) and (II) follow
 - 3. Neither (I) nor (II) follows
 - 4. Only (I) follows

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Q.14 Three of the following word pairs are alike in some manner and hence 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. Birthday hat - Cone
 -  2. Ring - Circle
 -  3. Television - Triangle
 -  4. Ball - Sphere

Q.15 MNQP is related to STWV in a certain way based on the English alphabetical order. In the same way, ABED is related to GHKJ. To which of the following is IJML related, following the same logic?

- Ans**
-  1. PORS
 -  2. OPRS
 -  3. ROPS
 -  4. OPSR

Q.16 In a certain code language, 'DARK' is coded as '3284' and 'RAKE' is coded as '6438'. What is the code for 'E' in that language?

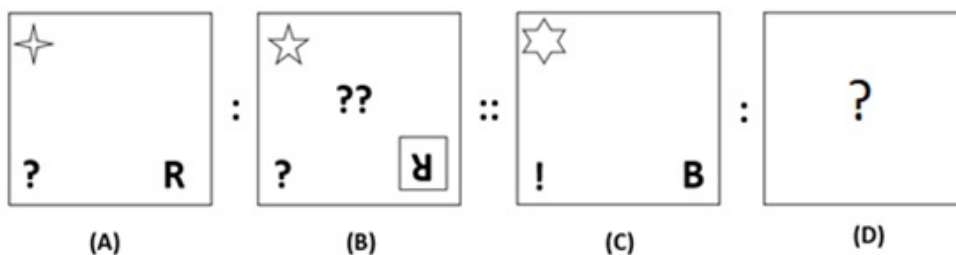
- Ans
- ☒ 1. 4
 - ☒ 2. 8
 - ☒ 3. 3
 - ☒ 4. 6

Q.17 Three of the following four number triads are alike in a certain way and thus form a group. Which is the number triad 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. 76 - 67 - 54
 - ☒ 2. 87 - 78 - 69
 - ☒ 3. 112 - 103 - 94
 - ☒ 4. 94 - 85 - 76

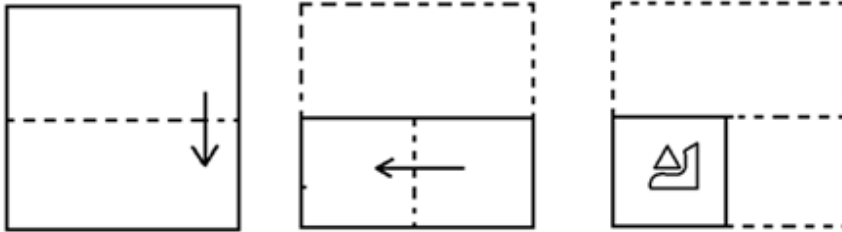
Q.18 Select the option that is related to Figure C in the same way as Figure B is related to Figure A.



Ans

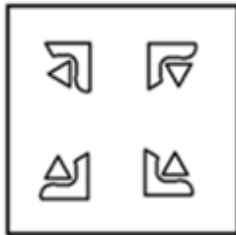
- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Q.19 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below. Select the option figure that would most closely resemble the unfolded form of the paper.

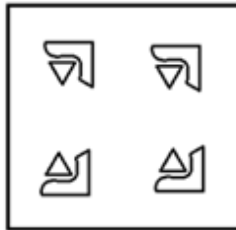


Ans

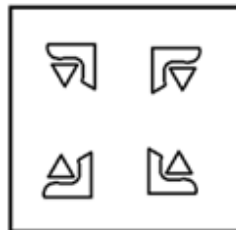
✗ 1.



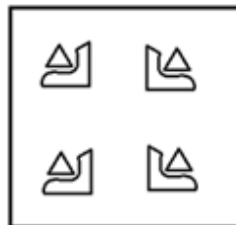
✗ 2.



✓ 3.



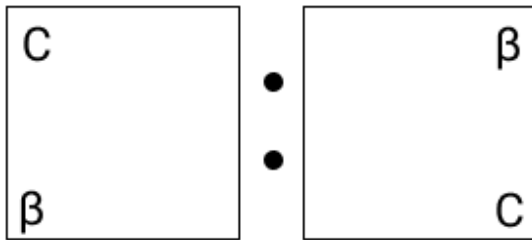
✗ 4.



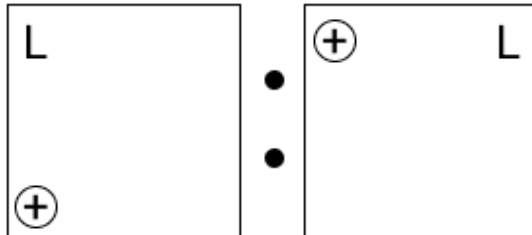
Q.20 Four figure pairs have been given, out of which three are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

Ans

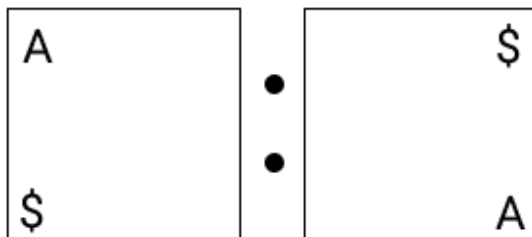
✗ 1.



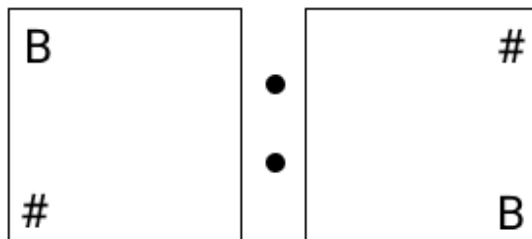
✓ 2.



✗ 3.



✗ 4.



Q.21 In a certain code language, 'PAID' is coded as '3274' and 'APED' is coded as '6437'. What is the code for 'E' in that language?

Ans ✓ 1. 6

✗ 2. 4

✗ 3. 3

✗ 4. 7

Q.22 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some crayon is colour.

No colour is water.

Some water is liquid.

Conclusions:

I) Some crayon is liquid.

II) Some crayon is not water.

III) Some liquid is not colour.

Ans ✗ 1. Only I and III

✗ 2. Only II

✗ 3. Only III

✓ 4. Only II and III

Q.23 Two statements, I and II have been given. These statements may be independent causes or effects of independent causes or a common cause. One of the statements may be the effect of the other statement.
Read both the statements and select the correct option.
I) Refreshing and delicious salads are full of antioxidants, Vitamin A, Vitamin C, folate, calcium, fibre and phytonutrients, which are good for health.
II) It is a perfect way to begin our day with salads in order to lead a healthy life.

- Ans**
- ☐ 1. Both I and II are independent causes
 - ☐ 2. Both I and II are effects of independent causes
 - ☐ 3. II is the cause and I is its possible effect
 - ☒ 4. I is the cause and II is its possible effect

Q.24 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 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.)

(7, 11, 33)
(14, 18, 54)

- Ans**
- ☐ 1. (5, 9, 36)
 - ☒ 2. (12, 16, 48)
 - ☐ 3. (16, 20, 40)
 - ☐ 4. (18, 21, 63)

Q.25 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 23584617, how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ 1. None
 - ☐ 2. Two
 - ☒ 3. Three
 - ☐ 4. One

Q.26 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 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.)

(19, 9, 173)
(6, 17, 104)

- Ans**
- ☐ 1. (7, 15, 105)
 - ☐ 2. (8, 12, 94)
 - ☐ 3. (14, 4, 62)
 - ☒ 4. (11, 4, 46)

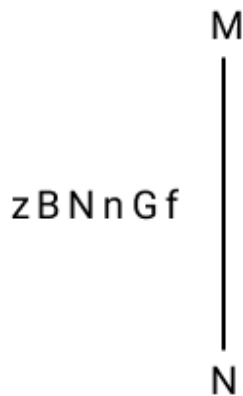
Q.27 How many meaningful four letter English words can be formed using A, E, D and N using all the letters but each letter only once in each word?

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

Q.28 How many meaningful English words can be formed from Y, P, R and A, using each letter mandatorily but only once in each word?

- Ans**
- ☒ 1. One
 - ☐ 2. None
 - ☐ 3. More than two
 - ☐ 4. Two

Q.29 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.30 In this question, a statement is followed by two conclusions, numbered I and II. Decide which of the two conclusions is/are true based on the given statement.

Statement: $M < N \leq O = S > T \geq W \geq Z$

Conclusions:

I. $M \leq T$

II. $N < Z$

- Ans
- ☒ 1. Neither Conclusion I nor Conclusion II is true
 - ☒ 2. Both Conclusion I and Conclusion II are true
 - ☒ 3. Only Conclusion I is true
 - ☒ 4. Only Conclusion II is true

Section : **Module I English Language and Comprehension**

Q.1 Select the option that expresses the given sentence in indirect speech.
The patient says, "I am fine."

- Ans
- ☒ 1. The patient says that he was fine.
 - ☒ 2. The patient says that he is fine.
 - ☒ 3. The patient says that he will be fine.
 - ☒ 4. The patient says that he would be fine.

Q.2 Select the most appropriate synonym of the underlined word in the given sentence.

Huxley was an exponent of Darwin's theory of evolution.

- Ans
- ☒ 1. Conclude
 - ☒ 2. Proponent
 - ☒ 3. Terminate
 - ☒ 4. Cease

Q.3 Select the most appropriate adverb to fill in the blank.

_____, I'm going to walk my dog.

- Ans
- ☒ 1. Rarely
 - ☒ 2. Annually
 - ☒ 3. Already
 - ☒ 4. Now

Q.4 Select the option that expresses the given sentence in indirect speech.
He always says to me, "I am perturbed."

- Ans**
- ☐ 1. He always tells me that he is mostly perturbed.
 - ☐ 2. He always tells me that he is going to be perturbed.
 - ☐ 3. He always tells me that he is perturbed by change.
 - ☒ 4. He always tells me that he is perturbed.

Q.5 Select the most appropriate ANTONYM of the underlined word to fill in the blank.
Allies have always come to his rescue in spite of his _____ attempts to defame him.

- Ans**
- ☐ 1. buddies'
 - ☐ 2. fellows'
 - ☒ 3. enemies'
 - ☐ 4. scholars'

Q.6 Complete the sentence by choosing an appropriate word from the given options.

He has not _____ returned the money.

- Ans**
- ☐ 1. only
 - ☐ 2. still
 - ☒ 3. yet
 - ☐ 4. too

Q.7 Replace the underlined word in the given sentence with its correctly spelt version.

I have been morning the death of my pet dog.

- Ans**
- ☒ 1. mourning
 - ☐ 2. murning
 - ☐ 3. moruning
 - ☐ 4. merning

Q.8 Select the most appropriate option to fill in the blank.
The rising rate of inflation is making life very hard for _____ poor.

- Ans**
- ☐ 1. its
 - ☐ 2. all
 - ☐ 3. some
 - ☒ 4. the

Q.9 Select the most appropriate phrasal verb that can substitute the underlined segment in the given sentence.

The firefighters tried their best to extinguish the fire.

- Ans**
- ☐ 1. put on
 - ☐ 2. put in
 - ☒ 3. put out
 - ☐ 4. put off

Q.10 Select the most appropriate meaning of the given idiom.
Call it a day

- Ans**
- ☐ 1. Involve many people for a simple job
 - ☒ 2. Stop working on something
 - ☐ 3. Name a particular day
 - ☐ 4. Begin with an assignment

Q.11 Select the INCORRECTLY spelt word.

- Ans**
- ☐ 1. Intuition
 - ☐ 2. Instinctual
 - ☒ 3. Implusive
 - ☐ 4. Initiative

Q.12 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
The Supreme Court set away / the verdict of the High Court / and agreed to hear the plea / of the complainant.

- Ans**
- ☒ 1. The Supreme Court set away
 - ☐ 2. the verdict of the High Court
 - ☐ 3. of the complainant
 - ☐ 4. and agreed to hear the plea

Q.13 Select the most appropriate option to fill in the blanks.
It's funny how every time he fails to apply the _____ and _____ the glass.

- Ans**
- ☒ 1. brakes; breaks
 - ☐ 2. breaks; brakes
 - ☐ 3. brakes; brakes
 - ☐ 4. breaks; breaks

Q.14 Select the option that expresses the given sentence in passive voice.
Doctors saved many lives during the pandemic.

- Ans**
- ☐ 1. Many lives are saved by doctors during the pandemic.
 - ☐ 2. Many lives were being saved by doctors during the pandemic.
 - ☐ 3. Many lives have been saved by doctors during the pandemic.
 - ☒ 4. Many lives were saved by doctors during the pandemic.

Q.15 Select the option that expresses the given sentence in passive voice.
The new sunshades have protected our windows during the rainy season.

- Ans**
- ☐ 1. Our windows are being protected by the new sunshades during the rainy season.
 - ☐ 2. Our sunshades have been protected by the new windows during the rainy season.
 - ☐ 3. Our windows are being protected by the new windows during the rainy season.
 - ☒ 4. Our windows have been protected by the new sunshades during the rainy season.

Q.16 Rearrange the jumbled words and choose the alternative that correctly matches the given sentence.

The youth _____ now-a-days.
life / of / today / a / leading / are / miserable

- Ans**
- ☐ 1. today are leading a miserable life of
 - ☐ 2. today are leading of a miserable life
 - ☒ 3. of today are leading a miserable life
 - ☐ 4. are today leading of a miserable life

Q.17 Select the most appropriate article(s) to fill in the blanks.
I was in _____ state of unconsciousness for about half _____ hour.

- Ans**
- ☐ 1. a ; No article
 - ☐ 2. No article ; an
 - ☒ 3. a ; an
 - ☐ 4. the ; a

Q.18 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Harish is clever than wise.

- Ans**
- ☐ 1. clever as
 - ☐ 2. cleverest than
 - ☒ 3. more clever than
 - ☐ 4. more cleverer than

Q.19 Rearrange the jumbled words and choose the alternative that correctly matches the given sentence.

The people of _____ to survive.

are / this / island / commodities / deprived / essential / needed / remote / of

- Ans
- ☐ 1. remote island are deprived of essential commodities needed this
 - ☐ 2. this island are deprived of essential commodities needed remote
 - ☐ 3. this remote island are needed essential commodities deprived of
 - ☒ 4. this remote island are deprived of essential commodities needed

Q.20 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Research in Social Sciences is plagued nowadays on gloomy definitions and measurements.

- Ans
- ☐ 1. nowadays amid gloomy definitions
 - ☒ 2. nowadays by gloomy definitions
 - ☐ 3. nowadays onto gloomy definitions
 - ☐ 4. nowadays during gloomy definitions

Q.21 Select the most appropriate synonym of the given word.

Dingy

- Ans
- ☐ 1. Pure
 - ☐ 2. Sterile
 - ☒ 3. Dreary
 - ☐ 4. Bright

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

His family lives _____ Mahu in Madhya Pradesh.

- Ans
- ☐ 1. by
 - ☐ 2. on
 - ☐ 3. of
 - ☒ 4. at

Q.23 Rearrange the jumbled words and choose the alternative that correctly matches the given sentence.

I missed the _____ for the next.

usually / hour / which / for / board / had / wait / an / bus / I / and / to

- Ans
- ☐ 1. bus I usually board which had to wait for an hour and
 - ☐ 2. bus which I board and had to wait for an usually hour
 - ☐ 3. hour and had to wait for an bus which I usually board
 - ☒ 4. bus which I usually board and had to wait for an hour

Q.24 In the following sentence, a few of the spellings are incorrect. Find out the sentence with correctly spelt words from the given options.

He is wimsical by natur. No one can seek an explanation from him for his absurd atitude towards others.

- Ans
- ☐ 1. He is wimsical by nature. No one can seek an explanation from him for his absurd attitude towards others.
 - ☒ 2. He is whimsical by nature. No one can seek an explanation from him for his absurd attitude towards others.
 - ☐ 3. He is whimsical by natur. No one can seek an explanation from him for his absurd attitude towards others.
 - ☐ 4. He is whimsical by nature. No one can seek an explanation from him for his absurd atitude towards others.

Q.25 Select the option that expresses the given sentence in direct speech.
He will say that he is okay.

- Ans
- ☐ 1. He will say, "I am always okay."
 - ☒ 2. He will say, "I am okay."
 - ☐ 3. He will say, "I was okay."
 - ☐ 4. He would say, "I am okay."

Q.26 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. CV Raman's story begins in a village near Tiruchirapalli (known in his days as Trichinopoly) in southern India.

P. When he was four years old, Raman's family moved to Vishakapatnam.

Q. He was born on 8 November 1888, the second child of R Chandrashekara Iyer and Parvati Ammal.

R. Chandrasekara Iyer was an athletic man and he took active interest in sports.

S. His father took up a job there, as a lecturer in Mrs. AV Narsimha Rao College, where he taught physics, mathematics and physical geography.

S6. His young son Raman was not physically very strong, but was very intelligent and he preferred to read books and work at his studies.

- Ans
- ☒ 1. QPRS
 - ☒ 2. SRPQ
 - ☒ 3. QPSR
 - ☒ 4. PQSR

Q.27 Select the most appropriate synonym of the given word.

Abolish

- Ans
- ☒ 1. Subside
 - ☒ 2. Assist
 - ☒ 3. Cancel
 - ☒ 4. Worship

Q.28 Select the option that expresses the given sentence in passive voice.

I remember my mother taking me to the stadium.

- Ans
- ☒ 1. I was taken to the stadium by mother that I remembered.
 - ☒ 2. I was remembered being taken to the stadium by my mother.
 - ☒ 3. My mother remembered me taken to the stadium.
 - ☒ 4. I remember being taken to the stadium by my mother.

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.

During active sleep, the body is still, (1)_____ the brain is active. The eyes dart back and forth behind closed lids, blood pressure (2)_____ and the breathing pattern speeds up. An EEG of someone during rapid eye movement sleep looks almost the same as the EEG of a person in the waking state, although one is still asleep and the body is still immobile. Rapid eye movement sleep plays a vital role in harmonising the experiences we have in the world outside. An EEG of someone during rapid eye movement sleep looks almost the same as the EEG of a person in the (3)_____ state, although one is still asleep and the body is still (4)_____. Rapid eye movement during sleep plays a vital role in harmonising the experiences we have in the world outside.

SubQuestion No : 29

Q.29 Select the most appropriate option to fill in blank number 1.

- Ans
- ☒ 1. but
 - ☒ 2. neither
 - ☒ 3. therefore
 - ☒ 4. so

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.

During active sleep, the body is still, (1)_____ the brain is active. The eyes dart back and forth behind closed lids, blood pressure (2)_____ and the breathing pattern speeds up. An EEG of someone during rapid eye movement sleep looks almost the same as the EEG of a person in the waking state, although one is still asleep and the body is still immobile. Rapid eye movement sleep plays a vital role in harmonising the experiences we have in the world outside. An EEG of someone during rapid eye movement sleep looks almost the same as the EEG of a person in the (3)_____ state, although one is still asleep and the body is still (4)_____. Rapid eye movement during sleep plays a vital role in harmonising the experiences we have in the world outside.

SubQuestion No : 30

Q.30 Select the most appropriate option to fill in blank number 2.

- Ans**
- ☒ 1. stables
 - ☒ 2. beeps
 - ☒ 3. increases
 - ☒ 4. relaxes

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.

During active sleep, the body is still, (1)_____ the brain is active. The eyes dart back and forth behind closed lids, blood pressure (2)_____ and the breathing pattern speeds up. An EEG of someone during rapid eye movement sleep looks almost the same as the EEG of a person in the waking state, although one is still asleep and the body is still immobile. Rapid eye movement sleep plays a vital role in harmonising the experiences we have in the world outside. An EEG of someone during rapid eye movement sleep looks almost the same as the EEG of a person in the (3)_____ state, although one is still asleep and the body is still (4)_____. Rapid eye movement during sleep plays a vital role in harmonising the experiences we have in the world outside.

SubQuestion No : 31

Q.31 Select the most appropriate option to fill in blank number 3.

- Ans**
- ☒ 1. eating
 - ☒ 2. waking
 - ☒ 3. sleeping
 - ☒ 4. standing

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.

During active sleep, the body is still, (1)_____ the brain is active. The eyes dart back and forth behind closed lids, blood pressure (2)_____ and the breathing pattern speeds up. An EEG of someone during rapid eye movement sleep looks almost the same as the EEG of a person in the waking state, although one is still asleep and the body is still immobile. Rapid eye movement sleep plays a vital role in harmonising the experiences we have in the world outside. An EEG of someone during rapid eye movement sleep looks almost the same as the EEG of a person in the (3)_____ state, although one is still asleep and the body is still (4)_____. Rapid eye movement during sleep plays a vital role in harmonising the experiences we have in the world outside.

SubQuestion No : 32

Q.32 Select the most appropriate option to fill in blank number 4.

- Ans**
- ☒ 1. performing
 - ☒ 2. active
 - ☒ 3. conscious
 - ☒ 4. immobile

Comprehension:

Read the given passage and answer the question that follows.

As a result of increasing population and expansion of residential areas, forest lands are being encroached. This is not all; even the wildlife is under extreme threat. As our fauna is facing a dearth of adequate shelter in forests, they are heading towards towns and hence get killed by hunters. Consequently, many animal species have either become extinct or are on the verge of extinction. The Black Buck is almost endangered and found only in two countries, Nepal and India. In India, this antelope is found in many national parks like Guindy National Park, Point Calimere and Vellandu sanctuaries of Tamil Nadu, Rollapadu of Andhra Pradesh, few parts of Rajasthan and Haryana. As far as their habitat is concerned, they live in open grasslands, dry areas or thinly populated areas and near water resources. They live in the desert areas of Rajasthan and coastal areas because they cannot sustain cold climate. They are the fastest running animals on this planet. Further, this animal is active during the day, but slows down in its activities after mid-day. They are social beings. Hence, they move with their herds, which can vary from 3 to 23 mates. They cohabit twice in a year and give birth twice in a year.

Prior to independence, this antelope was extensively hunted which affected their population so much that this species has reached the stage of extinction in many parts of the country. Poachers kill them mainly for material gain. Its skin has an enormous value in the market. In order to protect this species, the IUCN has declared this species nearly threatened. Hence, under Schedule I of the Wildlife Protection Act of 1972, numerous stern measures have been taken. To specify a few, Kaimur Wildlife Sanctuary (Bihar), Gir Forest National Park, Velavadar Wildlife Sanctuary (Gujarat), National Chambal Sanctuary, etc. Despite these acts, hunting is adversely affecting our wildlife. There are some solutions to this problem but the best one is to boycott the products made from endangered species at an international level. This seems to be effective but will it prevent animal hunting? That's a question.

SubQuestion No : 33

Q.33 Choose the word which closely means 'adversely'.

- Ans**
- ☒ 1. Digressing
 - ☒ 2. Scarcely
 - ☒ 3. Distressing
 - ☒ 4. Detrimentially

Comprehension:

Read the given passage and answer the question that follows.

As a result of increasing population and expansion of residential areas, forest lands are being encroached. This is not all; even the wildlife is under extreme threat. As our fauna is facing a dearth of adequate shelter in forests, they are heading towards towns and hence get killed by hunters. Consequently, many animal species have either become extinct or are on the verge of extinction. The Black Buck is almost endangered and found only in two countries, Nepal and India. In India, this antelope is found in many national parks like Guindy National Park, Point Calimere and Vellandu sanctuaries of Tamil Nadu, Rollapadu of Andhra Pradesh, few parts of Rajasthan and Haryana. As far as their habitat is concerned, they live in open grasslands, dry areas or thinly populated areas and near water resources. They live in the desert areas of Rajasthan and coastal areas because they cannot sustain cold climate. They are the fastest running animals on this planet. Further, this animal is active during the day, but slows down in its activities after mid-day. They are social beings. Hence, they move with their herds, which can vary from 3 to 23 mates. They cohabit twice in a year and give birth twice in a year.

Prior to independence, this antelope was extensively hunted which affected their population so much that this species has reached the stage of extinction in many parts of the country. Poachers kill them mainly for material gain. Its skin has an enormous value in the market. In order to protect this species, the IUCN has declared this species nearly threatened. Hence, under Schedule I of the Wildlife Protection Act of 1972, numerous stern measures have been taken. To specify a few, Kaimur Wildlife Sanctuary (Bihar), Gir Forest National Park, Velavadar Wildlife Sanctuary (Gujarat), National Chambal Sanctuary, etc. Despite these acts, hunting is adversely affecting our wildlife. There are some solutions to this problem but the best one is to boycott the products made from endangered species at an international level. This seems to be effective but will it prevent animal hunting? That's a question.

SubQuestion No : 34

Q.34 The Black Buck is killed because of hunters' _____.

- Ans**
- ☒ 1. fun
 - ☒ 2. personal gratification
 - ☒ 3. material gain
 - ☒ 4. need

Comprehension:

Read the given passage and answer the question that follows.

As a result of increasing population and expansion of residential areas, forest lands are being encroached. This is not all; even the wildlife is under extreme threat. As our fauna is facing a dearth of adequate shelter in forests, they are heading towards towns and hence get killed by hunters. Consequently, many animal species have either become extinct or are on the verge of extinction. The Black Buck is almost endangered and found only in two countries, Nepal and India. In India, this antelope is found in many national parks like Guindy National Park, Point Calimere and Vellandu sanctuaries of Tamil Nadu, Rollapadu of Andhra Pradesh, few parts of Rajasthan and Haryana. As far as their habitat is concerned, they live in open grasslands, dry areas or thinly populated areas and near water resources. They live in the desert areas of Rajasthan and coastal areas because they cannot sustain cold climate. They are the fastest running animals on this planet. Further, this animal is active during the day, but slows down in its activities after mid-day. They are social beings. Hence, they move with their herds, which can vary from 3 to 23 mates. They cohabit twice in a year and give birth twice in a year.

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SubQuestion No : 35

Q.35 What is the theme of this passage?

- Ans**
-  1. Over-population
 -  2. Forests and their uses
 -  3. Land encroachment
 -  4. Endangered species

Comprehension:

Read the given passage and answer the question that follows.

As a result of increasing population and expansion of residential areas, forest lands are being encroached. This is not all; even the wildlife is under extreme threat. As our fauna is facing a dearth of adequate shelter in forests, they are heading towards towns and hence get killed by hunters. Consequently, many animal species have either become extinct or are on the verge of extinction. The Black Buck is almost endangered and found only in two countries, Nepal and India. In India, this antelope is found in many national parks like Guindy National Park, Point Calimere and Vellandu sanctuaries of Tamil Nadu, Rollapadu of Andhra Pradesh, few parts of Rajasthan and Haryana. As far as their habitat is concerned, they live in open grasslands, dry areas or thinly populated areas and near water resources. They live in the desert areas of Rajasthan and coastal areas because they cannot sustain cold climate. They are the fastest running animals on this planet. Further, this animal is active during the day, but slows down in its activities after mid-day. They are social beings. Hence, they move with their herds, which can vary from 3 to 23 mates. They cohabit twice in a year and give birth twice in a year.

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SubQuestion No : 36

Q.36 What is the author's tone in this passage?

- Ans**
-  1. Impressed
 -  2. Revengeful
 -  3. Agitated
 -  4. Concerned

Comprehension:

Read the given passage and answer the question that follows.

Lena was an avid explorer. She had a deep fascination for the mysteries hidden within the dense forests. One day, while wandering through a secluded forest, she stumbled upon an ancient-looking map half-buried in the undergrowth. The map depicted a trail that led to a legendary waterfall rumoured to possess magical properties. Driven by her curiosity, Lena decided to follow the trail.

As she walked deeper into the forest, the atmosphere grew more enchanting. Sunlight filtered through the thick canopy, casting dappled patterns on the ground. The sound of rustling leaves and distant bird calls created a symphony of nature around her. Guided by the map's markings, Lena navigated through challenging terrains and crossed a narrow rope bridge suspended over a crystal-clear stream.

Finally, after hours of journeying, Lena arrived at the foot of the legendary waterfall. Its cascading waters sparkled like diamonds in the sunlight, and a gentle mist enveloped the surroundings. Lena felt a sense of wonder and tranquillity as she dipped her hand in the cool waters, as if the legends were coming alive. She sat by the waterfall, captivated by its beauty, pondering the ancient stories that had led her here.

SubQuestion No : 37

Q.37 Where did Lena find the map?

- Ans**
- ☒ 1. Half-buried in the undergrowth
 - ☐ 2. Buried in the sand
 - ☐ 3. Underneath a bridge
 - ☐ 4. In a bookstore in town

Comprehension:

Read the given passage and answer the question that follows.

Lena was an avid explorer. She had a deep fascination for the mysteries hidden within the dense forests. One day, while wandering through a secluded forest, she stumbled upon an ancient-looking map half-buried in the undergrowth. The map depicted a trail that led to a legendary waterfall rumoured to possess magical properties. Driven by her curiosity, Lena decided to follow the trail.

As she walked deeper into the forest, the atmosphere grew more enchanting. Sunlight filtered through the thick canopy, casting dappled patterns on the ground. The sound of rustling leaves and distant bird calls created a symphony of nature around her. Guided by the map's markings, Lena navigated through challenging terrains and crossed a narrow rope bridge suspended over a crystal-clear stream.

Finally, after hours of journeying, Lena arrived at the foot of the legendary waterfall. Its cascading waters sparkled like diamonds in the sunlight, and a gentle mist enveloped the surroundings. Lena felt a sense of wonder and tranquillity as she dipped her hand in the cool waters, as if the legends were coming alive. She sat by the waterfall, captivated by its beauty, pondering the ancient stories that had led her here.

SubQuestion No : 38

Q.38 Select the correct spelling of the underlined word in the given sentence.
What was Lena's reason for following the trial on the map?

- Ans**
- ☐ 1. Treil
 - ☐ 2. Trale
 - ☐ 3. Triall
 - ☒ 4. Trail

Comprehension:

Read the given passage and answer the question that follows.

Lena was an avid explorer. She had a deep fascination for the mysteries hidden within the dense forests. One day, while wandering through a secluded forest, she stumbled upon an ancient-looking map half-buried in the undergrowth. The map depicted a trail that led to a legendary waterfall rumoured to possess magical properties. Driven by her curiosity, Lena decided to follow the trail.

As she walked deeper into the forest, the atmosphere grew more enchanting. Sunlight filtered through the thick canopy, casting dappled patterns on the ground. The sound of rustling leaves and distant bird calls created a symphony of nature around her. Guided by the map's markings, Lena navigated through challenging terrains and crossed a narrow rope bridge suspended over a crystal-clear stream.

Finally, after hours of journeying, Lena arrived at the foot of the legendary waterfall. Its cascading waters sparkled like diamonds in the sunlight, and a gentle mist enveloped the surroundings. Lena felt a sense of wonder and tranquillity as she dipped her hand in the cool waters, as if the legends were coming alive. She sat by the waterfall, captivated by its beauty, pondering the ancient stories that had led her here.

SubQuestion No : 39

Q.39 What intrigued Lena's curiosity in the forest?

- Ans**
- ☒ 1. She stumbled upon an ancient map.
 - ☐ 2. She heard whispers in the wind.
 - ☐ 3. She discovered an old book.
 - ☐ 4. She found a hidden cave.

Comprehension:

Read the given passage and answer the question that follows.

Lena was an avid explorer. She had a deep fascination for the mysteries hidden within the dense forests. One day, while wandering through a secluded forest, she stumbled upon an ancient-looking map half-buried in the undergrowth. The map depicted a trail that led to a legendary waterfall rumoured to possess magical properties. Driven by her curiosity, Lena decided to follow the trail.

As she walked deeper into the forest, the atmosphere grew more enchanting. Sunlight filtered through the thick canopy, casting dappled patterns on the ground. The sound of rustling leaves and distant bird calls created a symphony of nature around her. Guided by the map's markings, Lena navigated through challenging terrains and crossed a narrow rope bridge suspended over a crystal-clear stream.

Finally, after hours of journeying, Lena arrived at the foot of the legendary waterfall. Its cascading waters sparkled like diamonds in the sunlight, and a gentle mist enveloped the surroundings. Lena felt a sense of wonder and tranquillity as she dipped her hand in the cool waters, as if the legends were coming alive. She sat by the waterfall, captivated by its beauty, pondering the ancient stories that had led her here.

SubQuestion No : 40

Q.40 Select the most appropriate **ANTONYM** of the underlined word in the given sentence.
What surrounded Lena as she journeyed through the forest?

- Ans**
- ☒ 1. Bolt
 - ☒ 2. Freed
 - ☒ 3. Girded
 - ☒ 4. Created

Section : Module II General Awareness

Q.1 Match the following.

States	National Parks
1. Karnataka	a. Guindy
2. Rajasthan	b. Bandipur
3. Tamil Nadu	c. Ranthambore

- Ans**
- ☒ 1. 1-a, 2-c, 3-b
 - ☒ 2. 1-b, 2-c, 3-a
 - ☒ 3. 1-c, 2-b, 3-a
 - ☒ 4. 1-a, 2-b, 3-c

Q.2 Nataraja represents the dancing figure of which Hindu deity?

- Ans**
- ☒ 1. Kartikeya
 - ☒ 2. Shiva
 - ☒ 3. Vishnu
 - ☒ 4. Ganesh

Q.3 Central Vigilance Commission observed Vigilance Awareness Week 2022 with which of the following themes?

- Ans**
- ☒ 1. Corruption free India for a developed Nation
 - ☒ 2. Vigilant India, Prosperous India
 - ☒ 3. Independent India @ 75: Self Reliance with Integrity
 - ☒ 4. Integrity A way of life

Q.4 Which of the following statements is correct regarding the jurisdiction of the Supreme Court of India?

- Ans**
- ☒ 1. The original jurisdiction of the Supreme Court can be invoked by a certificate granted by the High Court.
 - ☒ 2. The Supreme Court has a very wide advisory jurisdiction over all courts and tribunals in India.
 - ☒ 3. Article 30 of the Constitution of India gives an extensive original jurisdiction to the Supreme Court.
 - ☒ 4. The original jurisdiction extends to any dispute between the Government of India and one or more State.

Q.5 Which of the following duties is specified as the 10th Fundamental Duty in the Indian Constitution?

- Ans**
- ☒ 1. To develop the scientific temper, humanism and the spirit of inquiry and reform
 - ☒ 2. To strive towards excellence in all spheres of individual and collective activity
 - ☒ 3. To cherish and follow the noble ideals which inspired our national struggle for freedom
 - ☒ 4. To provide opportunities for education to his child or as the case may be, ward between the age of six and fourteen years

Q.6 The torrid zone lies between _____.

Ans  1. North Pole and Arctic Circle

 2. Arctic Circle and Tropic of Cancer

 3. Tropic of Cancer and Tropic of Capricorn

 4. Antarctic Circle and Tropic of Capricorn

Q.7 Which of the following statements regarding the functions of money is/are true?
Money as a unit of account means it is a standard numerical unit of measurement of the market value of goods, services and other transactions.
Money as a standard of deferred payment is not a significant function because modern economies rarely use money for future payments.

Ans  1. Only 2

 2. Only 1

 3. Neither 1 nor 2

 4. Both 1 and 2

Q.8 A part of the cell other than the nucleus which has DNA and ribosomes and can thus make its own proteins is known as:

Ans  1. ribosomes

 2. endoplasmic reticulum

 3. Golgi apparatus

 4. mitochondria

Q.9 Who propounded the famous equation $E = mc^2$ in 1905?

Ans  1. Isaac Newton

 2. Werner Heisenberg

 3. Ernest Rutherford

 4. Albert Einstein

Q.10 In 2021, Union Minister Jitendra Singh inaugurated the X-band Doppler Weather Radar to provide improved forecasts. Where was it inaugurated?

Ans  1. Jammu

 2. Ladakh

 3. Puducherry

 4. Chandigarh

Q.11 What is the cottony growth over a stale and moist bread known as?

Ans  1. Lichens

 2. Fungi

 3. Bacteria

 4. Algae

Q.12 How many phases are involved in the census operations in India?

Ans  1. Three

 2. Two

 3. Four

 4. One

Q.13 Which of the following is NOT the feature of Fundamental Duties provided under the Constitution of India?

Ans  1. Duties are intended to secure the country

 2. Duties are non-justiciable in nature

 3. Duties are enforceable by the law

 4. Duties are inspired from erstwhile USSR

Q.14 Match the following microfinance concepts with their descriptions.

List I (Concepts)

(a) Microcredit

(b) Microsavings

(c) Microinsurance

(d) Social Collateral

List II (Descriptions)

(i) Small, often peer-monitored savings products designed for low-income individuals

(ii) Financial protection against specific perils for low-income populations

(iii) The use of group responsibility as a guarantee for loan repayment

(iv) Small loans provided to entrepreneurs too poor to qualify for traditional bank loans

Ans  1. a-(iii), b-(iv), c-(i), d-(ii)

 2. a-(iv), b-(i), c-(ii), d-(iii)

 3. a-(ii), b-(iii), c-(i), d-(iv)

 4. a-(i), b-(ii), c-(iii), d-(iv)

Q.15 The pH value of the curd is:

Ans  1. higher than 7

 2. nearly 7

 3. higher than the pH value of milk

 4. lower than the pH value of milk

Q.16 Choose the correct order of the following plateaus and mountain ranges from south to north of India.

Ans  1. Malwa Plateau, Satpura Range, Vindhya Range, and Deccan Plateau

 2. Malwa Plateau, Vindhya Range, Satpura Range, and Deccan Plateau

 3. Deccan Plateau, Vindhya Range, Satpura Range, and Malwa Plateau

 4. Deccan Plateau, Satpura Range, Vindhya Range, and Malwa Plateau

Q.17 The number of atoms in exactly 12 g of carbon-12 is known as:

Ans  1. Rydberg constant

 2. Avogadro's constant

 3. Faraday's constant

 4. Planck's constant

Q.18 Who among the following participated in the All-World Religious Conference (Parliament of Religions) held in 1893 in Chicago?

Ans  1. Swami Shahjananda

 2. Swami Dayanand

 3. Swami Vivekananda

 4. Raja Ram Mohan Roy

Q.19 When was International Anti-Corruption Day Celebrated in 2021 (an annual event) to raise awareness and find newer ways to combat corruption?

Ans  1. 19 August

 2. 9 December

 3. 4 February

 4. 16 January

Q.20 Which of the following statements regarding orographic rainfall is correct?

Ans  1. This type of precipitation is characterised by seasonal reversal of winds that carry oceanic moisture.

 2. It occurs mainly during summer and is common over equatorial doldrums in the Congo basin.

 3. This precipitation is heavy but of short duration, highly localised and is associated with minimum amount of cloudiness.

 4. This type of precipitation occurs when warm, humid air strikes on a mountain range.

Q.1 What application software is utilised for managing extensive data collections and executing queries?

- Ans**
-  1. Antivirus software
 -  2. Word processing software
 -  3. Paint
 -  4. Database management system software

Q.2 Which of the following is an essential role of ROM in a computer system?

- Ans**
-  1. Storing files created by the user
 -  2. Storing data temporarily
 -  3. Performing calculations
 -  4. Storing data permanently for boot-up processes

Q.3 What does the Ctrl + V shortcut key do?

- Ans**
-  1. Finds text in a document
 -  2. Cuts the selected content
 -  3. Pastes the copied content
 -  4. Saves the document

Q.4 Which browser extension could be used to download an entire web page for offline use?

- Ans**
-  1. AdBlock
 -  2. Grammarly
 -  3. Web ScrapBook
 -  4. Evernote

Q.5 Which of the following is considered the first mechanical computer designed by Charles Babbage?

- Ans**
-  1. UNIVAC
 -  2. Abacus
 -  3. ENIAC
 -  4. Analytical Engine

Q.6 What does QR in 'QR code' stand for?

- Ans**
-  1. Quick Response
 -  2. Quantum Read
 -  3. Query Response
 -  4. Quick Resolution

Q.7 In symmetric encryption, how many keys are used to encrypt and decrypt data?

- Ans**
-  1. Two Keys
 -  2. Three Keys
 -  3. One Key
 -  4. No Key

Q.8 How can using a smiley or emoji help reduce misunderstandings in instant messaging?

- Ans**
1. By shortening the message content
 2. By eliminating the need for a response
 3. By replacing words that could be misinterpreted
 4. By clarifying the sender's tone or emotional intent

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Q.9 What is the function of the CPU following the commencement of a DMA transfer?

- Ans**
-  1. It must remain idle until the DMA transfer is complete.
 -  2. It is free to perform other tasks while the transfer is handled by the DMA controller.
 -  3. It actively manages each byte transferred.
 -  4. It handles the entire data transfer.

Q.10 Which of the following protocols is commonly used for data encapsulation in WANs?

- Ans**
- ☒ 1. High-Level Data Link Control
 - ☐ 2. Ethernet
 - ☐ 3. Wi-Fi
 - ☐ 4. TCP/IP

Q.11 Keyboard shortcut to Save as document in MS Word 2019 is:

- Ans**
- ☐ 1. F11
 - ☐ 2. F9
 - ☒ 3. F12
 - ☐ 4. F10

Q.12 Which type of e-commerce model is exemplified by Amazon?

- Ans**
- ☐ 1. C2B (Consumer to Business)
 - ☒ 2. B2C (Business to Consumer)
 - ☐ 3. C2C (Consumer to Consumer)
 - ☐ 4. B2B (Business to Business)

Q.13 Which of the following keyboard shortcuts is commonly used to rename a file or folder in Windows OS?

- Ans**
- ☐ 1. Ctrl + F5
 - ☐ 2. Ctrl + R
 - ☐ 3. Alt + Enter
 - ☒ 4. F2

Q.14 Which option in the print dialog allows you to save a web page as a digital file instead of printing it?

- Ans**
- ☐ 1. Print preview
 - ☐ 2. Select printer
 - ☒ 3. Save as PDF
 - ☐ 4. Print to file

Q.15 Which of the following best describes the primary difference between broadband and dial-up Internet connections?

- Ans**
- ☒ 1. Dial-up uses a telephone line, while broadband uses various technologies for higher speeds.
 - ☐ 2. Broadband is only available in urban areas, while dial-up is available everywhere.
 - ☐ 3. Dial-up requires a cable connection, while broadband does not.
 - ☐ 4. Broadband is slower than dial-up.