

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 VH

Section : Module I Mathematical Abilities

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

Q.2 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. 59
 - ☒ 4. 68

Q.3 The radii of the two spheres are in the ratio 4 : 5. Their volume will be in the ratio:

- Ans**
- ☒ 1. 64 : 125
 - ☒ 2. 16 : 25
 - ☒ 3. 125 : 64
 - ☒ 4. 4 : 5

Q.4 समान विकर्णों और समान विपरीत भुजाओं वाला चतुर्भुज सदैव एक _____ होता है।

- Ans**
- ☒ 1. समलंब
 - ☒ 2. समचतुर्भुज
 - ☒ 3. आयत
 - ☒ 4. पतंगाकार

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. 56 years
 - ☒ 2. 30 years
 - ☒ 3. 45 years
 - ☒ 4. 60 years

Q.6 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. ₹17,128
 - ☒ 2. ₹37,128
 - ☒ 3. ₹29,728
 - ☒ 4. ₹39,724

Q.7 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. 3,600
 - ☒ 2. 4,000
 - ☒ 3. 4,200
 - ☒ 4. 2,950

Q.8 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. 7
 - ☐ 2. 3
 - ☐ 3. 12
 - ☐ 4. 10

Q.9 Simplify $(2z - 5y)^2 + (5z + 2y)^2 - 25z^2$.

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

Q.10 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. 63
 - ☐ 3. 61
 - ☐ 4. 62

Q.11 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. 16
 - ☐ 2. 24
 - ☐ 3. 20
 - ☐ 4. 32

Q.12 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. 62
 - ☒ 3. 64
 - ☐ 4. 66

Q.13 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. 15
 - ☒ 2. 10
 - ☐ 3. 20
 - ☐ 4. 25

Q.14 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. $\frac{1}{100}$

☒ 2. $\frac{1}{288}$

☐ 3. $\frac{1}{50}$

☐ 4. $\frac{1}{200}$

Q.15 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. 863.25

☒ 3. 672.672

☐ 4. 358.8

Q.16 A sum on simple interest at the rate of 5% per annum amounts to ₹4,160 in 6 years. Find the sum.

Ans

☐ 1. ₹2,900

☐ 2. ₹2,800

☒ 3. ₹3,200

☐ 4. ₹3,100

Q.17 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. 10

☒ 2. 23

☐ 3. 5

☐ 4. 46

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. -3

☒ 2. -1

☐ 3. 0

☐ 4. 3

Q.19 The surface area of a cube is 1728 cm^2 . Find its volume.

Ans

☐ 1. $4356\sqrt{2} \text{ cm}^3$

☒ 2. $3456\sqrt{2} \text{ cm}^3$

☐ 3. $6453\sqrt{2} \text{ cm}^3$

☐ 4. $5436\sqrt{2} \text{ cm}^3$

Q.20 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. 9
 - ☐ 4. 8

Q.21 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. 80
 - ☐ 2. 78
 - ☐ 3. 82
 - ☐ 4. 74

Q.22 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. 70 kg
 - ☐ 4. 61.5 kg

Q.23 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. 2
 - ☐ 3. 1
 - ☒ 4. 0

Q.24 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. 8 m/s
 - ☐ 2. 7.5 m/s
 - ☐ 3. 7 m/s
 - ☐ 4. 8.5 m/s

Q.25 The average of 11 results is 60 and that of the first 10 is 59. The 11th result is?

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

Q.26 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. 21 cm
 - ☐ 3. 23 cm
 - ☒ 4. 22 cm

Q.27 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. 1,890.20
 - ☐ 2. 1,997.26
 - ☒ 3. 2,080.12
 - ☐ 4. 1,923.56

Q.28 In a triangle PQR, incentre is A and $\angle QAR = 116^\circ$. Find the measure of $\angle QPR$.

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

Q.29 Sandeep made a profit of 22% when he sold an overcoat for ₹8,540. Find the cost price of the overcoat.

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

Q.30 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. 70°
 - ☐ 3. 50°
 - ☐ 4. 60°

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

Q.1 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. 14
 - ☒ 2. 11
 - ☐ 3. 13
 - ☐ 4. 12

Q.2 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. OPRS
 - ☐ 2. PORS
 - ☐ 3. ROPS
 - ☒ 4. OPSR

Q.3 A certain number of people are sitting in a row facing the north direction. 'K' is an immediate neighbour of both 'J' and 'L'. There is no one sitting to the left of 'J'. 'P' is sitting 4th to the right of 'L' and 3rd to the left of 'T'. 'R' is sitting 3rd to the right of 'T'. If no other person is sitting in the row, what is the total number of people seated?

- Ans
- ☐ 1. 12
 - ☐ 2. 15
 - ☐ 3. 14
 - ☒ 4. 13

Q.4 6 is related to 18 following a certain logic. Following the same logic, 8 is related to 32. To which of the following is 12 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. 84
 - ☒ 2. 72
 - ☐ 3. 60
 - ☐ 4. 96

Q.5 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. 94 - 85 - 76
 - ☐ 2. 87 - 78 - 69
 - ☐ 3. 112 - 103 - 94
 - ☒ 4. 76 - 67 - 54

Q.6 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. One
 - ☒ 2. Three
 - ☐ 3. Two
 - ☐ 4. None

Q.7 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. None
 - ☒ 2. One
 - ☐ 3. More than two
 - ☐ 4. Two

Q.8 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. 4
 - ☐ 2. 7
 - ☒ 3. 6
 - ☐ 4. 3

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 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. Both (I) and (II) follow
 2. Neither (I) nor (II) follows
 3. Only (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.11 Select the combination of letters that when sequentially placed in the blanks of the given series, will complete the series.

REMRRR_R_EEMRRR_M_

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

Q.12 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. II is the cause and I is its possible effect
 - ☒ 2. I is the cause and II is its possible effect
 - ☒ 3. Both I and II are effects of independent causes
 - ☒ 4. Both I and II are independent causes

Q.13 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: $A \leq B \leq C = M \geq N \leq O < P$

Conclusions:

I. $A \leq C$

II. $P > N$

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

Q.14 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. 6
 - ☒ 3. 8
 - ☒ 4. 3

Q.15 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. (16, 20, 40)
 -  2. (12, 16, 48)
 -  3. (5, 9, 36)
 -  4. (18, 21, 63)

Q.16 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. Ring - Circle
 -  2. Television - Triangle
 -  3. Birthday hat - Cone
 -  4. Ball - Sphere

Q.17 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. # - UVN, % - KMQ
 -  2. # - GIM, % - KMQ
 -  3. # - UWA, % - BDH
 -  4. # - HDN, % - BDH

Q.18 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. 2, 4, 3, 1, 5
 -  2. 3, 1, 5, 2, 4
 -  3. 2, 1, 3, 4, 5
 -  4. 1, 4, 3, 5, 2

Q.19 दो कथन, I और II दिए गए हैं। ये कथन स्वतंत्र कारण हो सकते हैं या स्वतंत्र कारणों के प्रभाव या उभयनिष्ठ कारण हो सकते हैं। एक कथन, दूसरे कथन का प्रभाव हो सकता है। दोनों कथनों को पढ़िए और सही विकल्प का चयन कीजिए।

I) तरोताजा और स्वादिष्ट सलाद में प्रति-ऑक्सीकारक (antioxidants), विटामिन- A, विटामिन- C, फोलेट, कैल्शियम, फाइबर और फाइटोन्यूट्रिएंट (phytonutrients) भरपूर मात्रा में पाए जाते हैं, जो स्वास्थ्य के लिए अच्छे होते हैं।

II) स्वस्थ जीवन के लिए हमें अपने दिन की शुरुआत सलाद खाकर करना एक बहुत ही अच्छा उपाय है।

- Ans
-  1. I और II दोनों स्वतंत्र कारण हैं
 -  2. I और II दोनों स्वतंत्र कारणों के प्रभाव हैं
 -  3. II कारण है और I इसका संभावित प्रभाव है
 -  4. I कारण है और II इसका संभावित प्रभाव है

Q.20 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. 61
 - ☐ 2. 68
 - ☐ 3. 66
 - ☐ 4. 59

Q.21 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. 0
 - ☐ 2. 1
 - ☒ 3. 2
 - ☐ 4. 3

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 II
 - ☐ 2. Only III
 - ☐ 3. Only I and III
 - ☒ 4. Only II and III

Q.23 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. 24 - 39 - 33
 - ☒ 2. 31 - 46 - 41
 - ☐ 3. 29 - 44 - 38
 - ☐ 4. 17 - 32 - 26

Q.24 How many meaningful English words can be formed from O, T, A and M, using each letter mandatorily but only once in each word?

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

Q.25 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. (14, 4, 62)
 -  2. (7, 15, 105)
 -  3. (11, 4, 46)
 -  4. (8, 12, 94)

Q.26 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. In three of the four pairs, the same pattern is applied and hence they form a group. Select the number-pair that does NOT belong to this 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. 96 - 33
 -  2. 84 - 26
 -  3. 69 - 24
 -  4. 78 - 27

Q.27 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $21 - 7 \div 144 \times 3 + 18 = ?$

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

Q.28 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 III
 -  2. Only I and III
 -  3. Only II
 -  4. Only II and III

Q.29 How many meaningful four letter English words can be formed using A, C, H and E using all the letters but each letter only once in each word?

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

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

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

Q.1 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. breaks; breaks
 - ☒ 2. brakes; brakes
 - ☒ 3. brakes; breaks
 - ☒ 4. breaks; brakes

Q.2 Select the most appropriate article(s) to fill in the blanks.
I was in _____ state of unconsciousness for about half _____ hour.

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

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

Q.4 Select the most appropriate meaning of the given idiom.
Call it a day

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

Q.5 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. PQSR
 - ☒ 3. SRPQ
 - ☒ 4. QPSR

Q.6 Select the most appropriate adverb to fill in the blank.

_____, I'm going to walk my dog.

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

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. moruning
 - ☐ 3. merning
 - ☐ 4. murning

Q.8 Select the option that expresses the given sentence in indirect speech.
The patient says, "I am fine."

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

Q.9 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 during gloomy definitions
 - ☒ 2. nowadays by gloomy definitions
 - ☐ 3. nowadays onto gloomy definitions
 - ☐ 4. nowadays amid gloomy definitions

Q.10 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 going to be perturbed.
 - ☐ 2. He always tells me that he is mostly perturbed.
 - ☐ 3. He always tells me that he is perturbed by change.
 - ☒ 4. He always tells me that he is perturbed.

Q.11 Select the most appropriate synonym of the given word.

Abolish

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

Q.12 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 remote island are deprived of essential commodities needed
 - ☐ 3. this island are deprived of essential commodities needed remote
 - ☐ 4. this remote island are needed essential commodities deprived of

Q.13 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. some
 - ☐ 3. all
 - ☒ 4. the

Q.14 Select the INCORRECTLY spelt word.

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

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

His family lives _____ Mahu in Madhya Pradesh.

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

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

Dingy

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

Q.17 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 windows are being protected by the new windows during the rainy season.
 - ☒ 3. Our windows have been protected by the new sunshades during the rainy season.
 - ☐ 4. Our sunshades have been protected by the new windows during the rainy season.

Q.18 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 off
 - ☐ 2. put in
 - ☒ 3. put out
 - ☐ 4. put on

Q.19 Select the option that expresses the given sentence in direct speech.
He will say that he is okay.

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

Q.20 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. scholars'
 - ☒ 2. enemies'
 - ☐ 3. buddies'
 - ☐ 4. fellows'

Q.21 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. Terminate
 - ☒ 3. Proponent
 - ☐ 4. Cease

Q.22 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. hour and had to wait for an bus which I usually board
 - ☐ 2. bus I usually board which had to wait for an hour and
 - ☐ 3. bus which I board and had to wait for an usually hour
 - ☒ 4. bus which I usually board and had to wait for an hour

Q.23 Select the option that expresses the given sentence in passive voice.
Doctors saved many lives during the pandemic.

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

Q.24 Select the option that expresses the given sentence in passive voice.

I remember my mother taking me to the stadium.

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

Q.25 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. of today are leading a miserable life
 - ☐ 2. today are leading of a miserable life
 - ☐ 3. are today leading of a miserable life
 - ☐ 4. today are leading a miserable life of

Q.26 Complete the sentence by choosing an appropriate word from the given options.

He has not _____ returned the money.

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

Q.27 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Harish is clever than wise.

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

Q.28 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 attitude towards others.

- Ans**
- ☒ 1. He is whimsical by natur. 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 wimsical by nature. 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 attitude towards others.

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

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. relaxes
 - ☒ 3. increases
 - ☒ 4. beeps

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. sleeping
 - ☒ 2. waking
 - ☒ 3. standing
 - ☒ 4. eating

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. conscious
 - ☐ 3. active
 - ☒ 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. Distressing
 - ☒ 3. Detrimentally
 - ☐ 4. Scarcely

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. personal gratification
 - ☐ 2. fun
 - ☒ 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.

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 : 35

Q.35 What is the theme of this passage?

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

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 : 36

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

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

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

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

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 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 found a hidden cave.
 - ☐ 4. She discovered an old book.

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 Where did Lena find the map?

- Ans**
- ☐ 1. Underneath a bridge
 - ☐ 2. Buried in the sand
 - ☒ 3. Half-buried in the undergrowth
 - ☐ 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 : 40

Q.40 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. Trail
 - ☒ 3. Triall
 - ☒ 4. Trale

Section : Module II General Awareness

Q.1 The pH value of the curd is:

- Ans**
- ☒ 1. higher than the pH value of milk
 - ☒ 2. nearly 7
 - ☒ 3. lower than the pH value of milk
 - ☒ 4. higher than 7

Q.2 When was International Anti-Corruption Day Celebrated in 2021 (an annual event) to raise awareness and find newer ways to combat corruption?

- Ans**
- ☒ 1. 9 December
 - ☒ 2. 19 August
 - ☒ 3. 16 January
 - ☒ 4. 4 February

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. Integrity A way of life
 - ☒ 3. Independent India @ 75: Self Reliance with Integrity
 - ☒ 4. Vigilant India, Prosperous India

Q.4 ठीक 12 g कार्बन-12 में परमाणुओं की संख्या क्या कहलाती है?

- Ans**
- ☒ 1. प्लैंक का स्थिरांक
 - ☒ 2. अवोगाद्रो का स्थिरांक
 - ☒ 3. रिडबर्ग का स्थिरांक
 - ☒ 4. फैराडे का स्थिरांक

Q.5 केंद्रक के अलावा कोशिका का वह भाग जिसमें डीएनए और राइबोसोम होते हैं और इस प्रकार अपना प्रोटीन स्वयं बना सकते हैं, को _____ के रूप में जाना जाता है।

- Ans**
- ☒ 1. माइटोकॉन्ड्रिया
 - ☒ 2. अन्तः प्रद्व्ययी जालिका
 - ☒ 3. राइबोसोम
 - ☒ 4. गॉल्जीकाय

Q.6 निम्नलिखित में से कौन-सी भारत के संविधान के तहत प्रदान किए गए मौलिक कर्तव्यों की विशेषता नहीं है?

- Ans**
- ☒ 1. कर्तव्य तत्कालीन यूएसएसआर (USSR) से प्रेरित हैं
 - ☒ 2. कर्तव्यों का उद्देश्य देश को सुरक्षित रखना है
 - ☒ 3. कर्तव्य, विधि द्वारा प्रवर्तनीय हैं
 - ☒ 4. कर्तव्य प्रकृति में गैर-न्यायसंगत होते हैं

Q.7 Match the following.

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

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

Q.8 Which of the following statements is correct regarding the jurisdiction of the Supreme Court of India?

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

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

- Ans
- ☒ 1. Ernest Rutherford
 - ☒ 2. Albert Einstein
 - ☒ 3. Werner Heisenberg
 - ☒ 4. Isaac Newton

Q.10 Nataraja represents the dancing figure of which Hindu deity?

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

Q.11 मुद्रा के कार्यों के संबंध में निम्नलिखित में से कौन-सा/से कथन सत्य है/हैं?
लेखा (account) की एक इकाई के रूप में मुद्रा का अर्थ है कि यह वस्तुओं, सेवाओं और अन्य लेनदेन के बाजार मूल्य के माप की एक मानक संख्यात्मक इकाई है।
आस्थगित भुगतान (deferred payment) के मानक के रूप में मुद्रा एक महत्वपूर्ण कार्य नहीं है क्योंकि आधुनिक अर्थव्यवस्थाएँ भविष्य के भुगतान के लिए शायद ही कभी मुद्रा का उपयोग करती हैं।

- Ans
- ☒ 1. केवल 1
 - ☒ 2. 1 और 2 दोनों
 - ☒ 3. न तो 1 और न ही 2
 - ☒ 4. केवल 2

Q.12 निम्नलिखित में से कौन-सा कर्तव्य भारतीय संविधान में 10वें मौलिक कर्तव्य के रूप में निर्दिष्ट है?

- Ans
- ☒ 1. छह से चौदह वर्ष की आयु के अपने बच्चे या जो भी स्थिति हो, को शिक्षा के अवसर प्रदान करना
 - ☒ 2. उन महान आदर्शों को संजोना और उनका पालन करना जिन्होंने स्वतंत्रता के लिए हमारे राष्ट्रीय संघर्ष को प्रेरित किया
 - ☒ 3. वैज्ञानिक दृष्टिकोण, मानवतावाद तथा जिज्ञासा एवं सुधार की भावना का विकास करना
 - ☒ 4. व्यक्तिगत और सामूहिक गतिविधि के सभी क्षेत्रों में उत्कृष्टता की दिशा में प्रयास करना

Q.13 Choose the correct order of the following plateaus and mountain ranges from south to north of India.

- Ans
- ☒ 1. Deccan Plateau, Satpura Range, Vindhya Range, and Malwa Plateau
 - ☒ 2. Malwa Plateau, Satpura Range, Vindhya Range, and Deccan Plateau
 - ☒ 3. Deccan Plateau, Vindhya Range, Satpura Range, and Malwa Plateau
 - ☒ 4. Malwa Plateau, Vindhya Range, Satpura Range, and Deccan Plateau

Q.14 बासी और गीली ब्रेड के ऊपर रुई जैसी संवृद्धि (cottony growth) को क्या कहते हैं?

- Ans**
- ☒ 1. शैवाल (Algae)
 - ☒ 2. कवक (Fungi)
 - ☒ 3. लाइकेन (Lichens)
 - ☒ 4. जीवाणु (Bacteria)

Q.15 निम्नलिखित में से किसने 1893 में शिकागो में आयोजित अखिल विश्व धार्मिक सम्मेलन (धर्म संसद) में भाग लिया था?

- Ans**
- ☒ 1. स्वामी सहजानंद
 - ☒ 2. राजा राम मोहन राय
 - ☒ 3. स्वामी दयानंद
 - ☒ 4. स्वामी विवेकानंद

Q.16 भारत में जनगणना कार्य कितने चरणों में होता है?

- Ans**
- ☒ 1. दो
 - ☒ 2. चार
 - ☒ 3. एक
 - ☒ 4. तीन

Q.17 उष्ण कटिबंधीय क्षेत्र (torrid zone) _____ के बीच स्थित है।

- Ans**
- ☒ 1. कर्क रेखा और मकर रेखा
 - ☒ 2. उत्तरध्रुवीय वृत्त और कर्क रेखा
 - ☒ 3. दक्षिण ध्रुव वृत्त और मकर रेखा
 - ☒ 4. उत्तरी ध्रुव और उत्तरध्रुवीय वृत्त

Q.18 Which of the following statements regarding orographic rainfall is correct?

- Ans**
- ☒ 1. This type of precipitation occurs when warm, humid air strikes on a mountain range.
 - ☒ 2. This precipitation is heavy but of short duration, highly localised and is associated with minimum amount of cloudiness.
 - ☒ 3. This type of precipitation is characterised by seasonal reversal of winds that carry oceanic moisture.
 - ☒ 4. It occurs mainly during summer and is common over equatorial doldrums in the Congo basin.

Q.19 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-(ii), b-(iii), c-(i), d-(iv)
 - ☒ 2. a-(iii), b-(iv), c-(i), d-(ii)
 - ☒ 3. a-(i), b-(ii), c-(iii), d-(iv)
 - ☒ 4. a-(iv), b-(i), c-(ii), d-(iii)

Q.20 In 2021, Union Minister Jitendra Singh inaugurated the X-band Doppler Weather Radar to provide improved forecasts. Where was it inaugurated?

- Ans**
- ☒ 1. Puducherry
 - ☒ 2. Chandigarh
 - ☒ 3. Jammu
 - ☒ 4. Ladakh

Q.1	त्वरित संदेश भेजने (instant messaging) में गलतफहमियों को कम करने के लिए स्माइली या इमोजी का उपयोग कैसे किया जा सकता है?
Ans	1. संदेश के कंटेंट को छोटा करके 2. प्रेषक के लहजे या भावनात्मक इरादे को स्पष्ट करके 3. गलत अर्थ निकाले जा सकने वाले शब्दों को बदलकर 4. प्रतिक्रिया देने की आवश्यकता को समाप्त करके Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.
Q.2	QR कोड' में QR का पूर्ण रूप क्या है?
Ans	 1. Query Response (क्वेरी रिस्पान्स)  2. Quick Resolution (क्विक रेजोल्यूशन)  3. Quick Response (क्विक रिस्पान्स)  4. Quantum Read (क्वांटम रीड)
Q.3	निम्नलिखित में से कौन-सा विकल्प, ब्रॉडबैंड और डायल-अप इंटरनेट कनेक्शन के बीच प्राथमिक अंतर का सबसे अच्छा वर्णन करता है?
Ans	 1. डायल-अप के लिए केबल कनेक्शन की आवश्यकता होती है, जबकि ब्रॉडबैंड के लिए नहीं होती ।  2. ब्रॉडबैंड केवल शहरी क्षेत्रों में उपलब्ध है, जबकि डायल-अप प्रत्येक क्षेत्र में उपलब्ध है ।  3. डायल-अप एक टेलीफोन लाइन का उपयोग करता है, जबकि ब्रॉडबैंड हायर स्पीड (higher speeds) के लिए विभिन्न तकनीकों का उपयोग करता है ।  4. ब्रॉडबैंड, डायल-अप से धीमा होता है ।
Q.4	किस ब्राउज़र एक्सटेंशन का उपयोग संपूर्ण वेब पेज को ऑफ़लाइन उपयोग हेतु डाउनलोड करने के लिए किया जा सकता है?
Ans	 1. ग्रामरली (Grammarly)  2. इवरनोट (Evernote)  3. एडब्लॉक (AdBlock)  4. वेब स्क्रेपबुक (Web ScrapBook)
Q.5	Which of the following keyboard shortcuts is commonly used to rename a file or folder in Windows OS?
Ans	 1. F2  2. Ctrl + R  3. Alt + Enter  4. Ctrl + F5
Q.6	In symmetric encryption, how many keys are used to encrypt and decrypt data?
Ans	 1. Two Keys  2. No Key  3. Three Keys  4. One Key
Q.7	Which option in the print dialog allows you to save a web page as a digital file instead of printing it?
Ans	 1. Save as PDF  2. Print to file  3. Print preview  4. Select printer
Q.8	निम्नलिखित में से कौन-सा प्रोटोकॉल सामान्यतः WAN में डेटा एनकैप्सुलेशन (data encapsulation) के लिए उपयोग किया जाता है?
Ans	 1. टीसीपी/आईपी (TCP/IP)  2. वाई-फाई (Wi-Fi)  3. हाई-लेवल डेटा लिंक कंट्रोल (High-Level Data Link Control)  4. ईथरनेट (Ethernet)

Q.9 What application software is utilised for managing extensive data collections and executing queries?

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

Q.10 What does the Ctrl + V shortcut key do?

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

Q.11 DMA स्थानांतरण के प्रारंभ होने के बाद CPU का क्या कार्य है?

- Ans**
-  1. यह संपूर्ण डेटा स्थानांतरण में भूमिका निभाता है ।
 -  2. DMA स्थानांतरण पूरा होने तक यह निष्क्रिय रहता है ।
 -  3. जब तक स्थानांतरण का कार्य, DMA नियंत्रक द्वारा नियंत्रित किया जाता है, तब तक यह अन्य कार्य करने के लिए स्वतंत्र होता है ।
 -  4. यह स्थानांतरित किए गए प्रत्येक बाइट को सक्रिय रूप से प्रबंधित करता है ।

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

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

Q.13 Which of the following is considered the first mechanical computer designed by Charles Babbage?

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

Q.14 Which of the following is an essential role of ROM in a computer system?

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

Q.15 Keyboard shortcut to Save as document in MS Word 2019 is:

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