

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	
Exam Date	08/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I

Q.1 Parts of the following sentence have been given as options. Select the option that contains an error.

That day we reached late for the competition and even though the competition went on smooth, I felt bad about Shivani losing it.

Ans ✓ 1. the competition went on smooth

✗ 2. we reached late

✗ 3. losing it

✗ 4. I felt bad

Q.2 The sentence below contains errors. Select the option with the correct use of tenses.
I will revised my course at least three times before my final examination.

Ans ✗ 1. I would revised my course at least three times before my final examination.

✗ 2. I must revised my course at least three times before my final examination.

✗ 3. I will be revised my course at least three times since my final examination.

✓ 4. I will have revised my course at least three times before my final examination.

Q.3 Parts of the following sentence have been given as options. Select the option that contains an error.

During winters, most of the trains are not running on time in North India.

Ans ✓ 1. are not running

✗ 2. on time in North India.

✗ 3. most of the trains

✗ 4. During winters,

Q.4 Select the most appropriate adverb to fill in the blank.

He comes here _____ .

Ans ✗ 1. formerly

✓ 2. daily

✗ 3. quickly

✗ 4. lately

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Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved.

Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank 1.

- Ans ☒ 1. systematic
☒ 2. easy
☒ 3. fine
☒ 4. complex

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved.

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SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank 2.

- Ans ☒ 1. uniformity
☒ 2. worry
☒ 3. diversity
☒ 4. difficulty

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved.

Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank 3.

- Ans ☒ 1. easily
☒ 2. only
☒ 3. especially
☒ 4. tactfully

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved.

Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank 4.

- Ans ☒ 1. polishing
☒ 2. accepting
☒ 3. rejecting
☒ 4. focusing

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved.

Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank 5.

- Ans ☒ 1. strange
☒ 2. familiar
☒ 3. unequal
☒ 4. unusual

Q.10 Select the most appropriate synonym of the underlined word in the given sentence.

He is just jealous that he didn't get picked for the job.

- Ans ☒ 1. envious
☒ 2. suspicious
☒ 3. spiteful
☒ 4. greedy

Q.11 Select the most appropriate ANTONYM of the given word.
Despondency

- Ans ☒ 1. Hopelessness
☒ 2. Cheerfulness
☒ 3. Satisfaction
☒ 4. Dejection

Q.12 Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank.

The setting sun turned the _____(calm) ocean into a sea of gold.

- Ans ☒ 1. placid
☒ 2. scattered
☒ 3. furtive
☒ 4. volatile

Q.13 Which of the following idioms means 'going to sleep'?

- Ans ☒ 1. Hit the sack
☒ 2. Run around in circles
☒ 3. Break new grounds
☒ 4. Keep an ear to the ground

Q.14 Select the most appropriate **ANTONYM** of the underlined word in the given sentence.
His grandfather was quite grumpy .

- Ans ☒ 1. Tenable
☒ 2. Amiable
☒ 3. Possible
☒ 4. Edible

Q.15 Select the most appropriate meaning of the given idiom.
Sell like hot cakes

- Ans ☒ 1. Selling out quickly
☒ 2. Not bothering about money
☒ 3. Extremely hot and humid
☒ 4. Become very famous

Q.16 Choose an appropriate word that can substitute the bracketed word and complete the sentence meaningfully.
What is the time (in) your watch?

- Ans ☒ 1. with
☒ 2. on
☒ 3. by
☒ 4. into

Q.17 Select the most appropriate **ANTONYM** of the underlined word.
It's very cheap to display wealth by donning gaudy dresses.

- Ans ☒ 1. Cheap
☒ 2. Sober
☒ 3. Ornate
☒ 4. Scanty

Q.18 Select the most appropriate option to fill in the blank.

He hasn't _____ any attention to my miserable state.

- Ans ☒ 1. made
☒ 2. had
☒ 3. gave
☒ 4. paid

Q.19 Select the most appropriate **ANTONYM** of the given word.
MOROSE

- Ans ☒ 1. Dramatic
☒ 2. Practical
☒ 3. Hurried
☒ 4. Jovial

Q.20 Select the **INCORRECTLY** spelt word.

- Ans ☒ 1. Apparent
☒ 2. Agressive
☒ 3. Skewed
☒ 4. Creator

Q.21 Select the INCORRECTLY spelt word.

- Ans ☒ 1. Unintended
☒ 2. Timorous
☒ 3. Amalgamate
☒ 4. Aproprate

Q.22 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
 They appointed him as the manager, as he was due for an promotion.

- Ans ☒ 1. it's
☒ 2. a
☒ 3. No substitution required
☒ 4. next

Q.23 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
 Are today / a working day / or a / holiday?

- Ans ☒ 1. holiday
☒ 2. Are today
☒ 3. a working day
☒ 4. or a

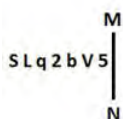
Q.24 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
 She developing a remarkable resistance to cold and altitude.

- Ans ☒ 1. No substitution required
☒ 2. has develop
☒ 3. has been developing
☒ 4. developed

Q.25 Select the most appropriate ANTONYM of the underlined word in the given sentence.
 The humble pupil sat on the floor with respect.

- Ans ☒ 1. Sturdy
☒ 2. Proud
☒ 3. Capitalist
☒ 4. Corrupt

Q.1 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans ☒ 1. 2 V d S p L 2
☒ 2. 2 8 d S q L 2
☒ 3. 5 V d S p L 2
☒ 4. 5 V b S p L 2

Q.2 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(59, 246, 23)

(68, 300, 32)

(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. (31, 169, 53)

☒ 2. (42, 213, 29)

☒ 3. (32, 188, 71)

☒ 4. (47, 248, 15)

Q.3 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

Some roses are flowers.

All buds are roses.

All lilies are flowers.

Conclusion (I): Some buds are lilies.

Conclusion (II): All flowers are buds.

Ans ☒ 1. Only conclusion (II) follows.

☒ 2. Only conclusion (I) follows.

☒ 3. Both conclusions (I) and (II) follow.

☒ 4. Neither conclusion (I) nor (II) follows.

Q.4 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).



Ans

☒ 1.



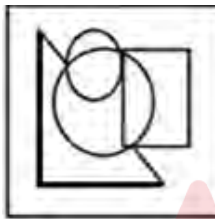
☒ 2.



☒ 3.



☒ 4.



Q.5 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

91 B 2 D 22 A 11 C 8 = ?

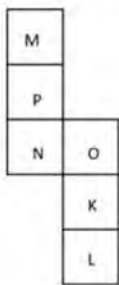
Ans ☒ 1. 128

☒ 2. 188

☒ 3. 148

☒ 4. 168

Q.6 What would be the letter on the opposite side of 'N' if the given sheet is folded to form a cube?



- Ans
- ☒ 1. K
 - ☒ 2. L
 - ☒ 3. M
 - ☒ 4. O

Q.7 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 338?

- Ans
- ☒ 1. 32 B 11 D 80 A 4 C 6
 - ☒ 2. 32 C 11 D 80 A 4 B 6
 - ☒ 3. 32 D 11 B 80 A 4 C 6
 - ☒ 4. 32 A 11 D 80 B 4 C 6

Q.8 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
XVS, AYW, DBY, GEB, ?

- Ans
- ☒ 1. EHJ
 - ☒ 2. JHE
 - ☒ 3. EJJ
 - ☒ 4. JEH

Q.9 In a certain code language,
M & N means 'M is the son of N',
M @ N means 'M is the brother of N',
M \$ N means 'M is the father of N',
M # N means 'M is the mother of N'.
Based on this, how is E related to A, if 'A # B \$ C @ D & E'?

- Ans
- ☒ 1. Daughter
 - ☒ 2. Son
 - ☒ 3. Daughter's husband
 - ☒ 4. Son's wife

Q.10 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☒ 1. FUHS
 - ☒ 2. MNOL
 - ☒ 3. AZCX
 - ☒ 4. YCAZ

Q.11 27 is related to 3 following a certain logic. Following the same logic, 343 is related to 7.
To which of the following is 1331 related following the same logic?
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

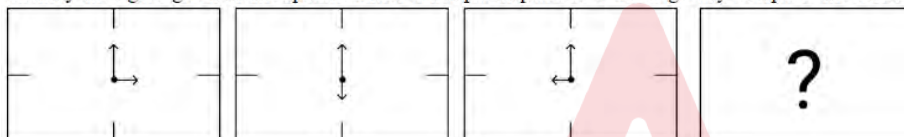
- Ans
- ☒ 1. 9
 - ☒ 2. 17
 - ☒ 3. 11
 - ☒ 4. 13

Q.12 What should come in place of ? in the given series?

281 392 503 614 725 ?

- Ans
- ☒ 1. 866
 - ☒ 2. 846
 - ☒ 3. 856
 - ☒ 4. 836

Q.13 Identify the figure given in the options which when put in place of ? will logically complete the series.



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Q.14 If 11 November 2009 was Wednesday, then what was the day of the week on 17 November 2013?

- Ans
- ☒ 1. Friday
 - ☒ 2. Saturday
 - ☒ 3. Sunday
 - ☒ 4. Thursday

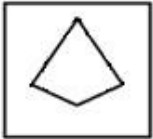
Q.15 After 36 days it will be a Sunday. What day is it today?

- Ans
- ☒ 1. Friday
 - ☒ 2. Sunday
 - ☒ 3. Saturday
 - ☒ 4. Monday

Q.16 Which of the following letter-clusters can replace the question mark (?) in the given series to make it logically complete?
IPX, ? , OTZ, RVA, UXB

- Ans
- ☒ 1. LOM
 - ☒ 2. YHR
 - ☒ 3. COP
 - ☒ 4. LRY

Q.17 Select the option in which the given figure is embedded (rotation is NOT allowed).



- Ans
- ☒ 1.
 - ☒ 2.
 - ☒ 3.
 - ☒ 4.

Q.18 This question consists of a pair of words which have a certain relationship to each other. Select the pair which does NOT have the same relationship.

Demolish : Repair

- 1) Condemn : Approve
- 2) Consequence : Outcome
- 3) Bind : Release
- 4) Adamant : Flexible

Ans ☒ 1. 2

☒ 2. 1

☒ 3. 3

☒ 4. 4

Q.19 Which of the following numbers will replace the question mark (?) in the given series?

106, 106, 108, 36, 40, 8 ?

Ans ☒ 1. 28

☒ 2. 10

☒ 3. 14

☒ 4. 22

Q.20 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

$$55 \times 84 - 12 \div 9 + 26 = ?$$

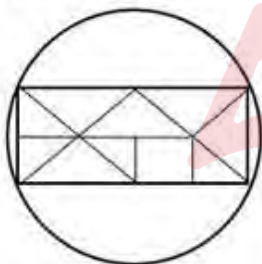
Ans ☒ 1. 90

☒ 2. 92

☒ 3. 95

☒ 4. 96

Q.21 How many triangles are there in the given figure?



Ans ☒ 1. 8

☒ 2. 11

☒ 3. 14

☒ 4. 10

Q.22 What should come in place of the question mark (?) in the given series?

77, 144, 278, 546, ?

Ans ☒ 1. 1082

☒ 2. 1208

☒ 3. 1028

☒ 4. 1802

Q.23 In a certain code language, 'FORK' is coded as '6851' and 'FROG' is coded as '5981'. How is 'K' coded in the given language?

- Ans
- ☐ 1. 5
 - ☐ 2. 9
 - ☒ 3. 6
 - ☐ 4. 1

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



- Ans
- ☐ 1. YSRHPW
 - ☐ 2. YNRPYW
 - ☒ 3. YSRPHW
 - ☐ 4. YSRPWH

Q.25 KLOQ is related to NORT in a certain way based on the English alphabetical order. In the same way, HILN is related to KLOQ. To which of the following is PQTV related, following the same logic?

- Ans
- ☒ 1. STWY
 - ☐ 2. SWTY
 - ☐ 3. STUY
 - ☐ 4. SUVY

Q.1 Suresh studies the pattern of daily sale of a shop. He finds that on Monday, the sale was decreased by 10% in comparison to the sale on Sunday. On Tuesday, the sale was increased by 10% in comparison to the sale of Monday. If the sale on Tuesday was of ₹1,485, how much was the sale on Sunday?

- Ans
- ☐ 1. ₹1,495
 - ☐ 2. ₹1,485
 - ☐ 3. ₹1,475
 - ☒ 4. ₹1,500

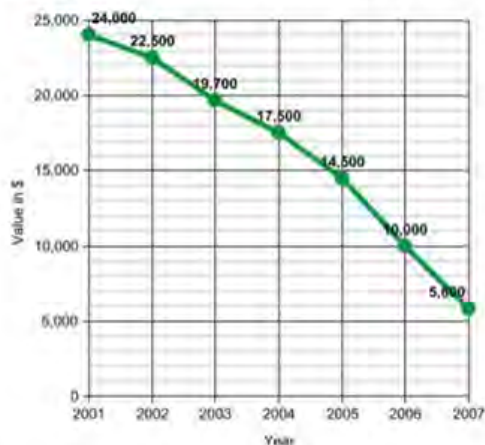
Q.2 To clear the old stock, Arshad offers a discount scheme to his customers - on buying 24 glass tumblers get 12 glass tumblers free. What is the effective percentage discount given by Arshad to his customers?

- Ans
- ☐ 1. $34\frac{2}{3}\%$
 - ☐ 2. $30\frac{1}{3}\%$
 - ☐ 3. $32\frac{2}{3}\%$
 - ☒ 4. $33\frac{1}{3}\%$

Q.3 The profit obtained by selling an article for ₹86 is twice the loss obtained by selling the same article for ₹53. Find the cost price.

- Ans
- ☐ 1. ₹22
 - ☐ 2. ₹33
 - ☐ 3. ₹75
 - ☒ 4. ₹64

Q.4 Study the given graph and answer the question that follows. The graph represents the depreciation of a car from 2001 to 2007.



What is the depreciation of the car from 2001 to 2007 in percentage?

- Ans
- ☐ 1. 81.32%
 - ☐ 2. 62%
 - ☐ 3. 58%
 - ☒ 4. 75.83%

Q.5 X and Y are two points on the circumference of a circle having diameter 20 cm. The length of the line segment XY is 16 cm. Find the distance (in cm) of the line segment XY from the centre of the circle.

- Ans
- ☒ 1. 6
 - ☐ 2. 5
 - ☐ 3. 3
 - ☐ 4. 4

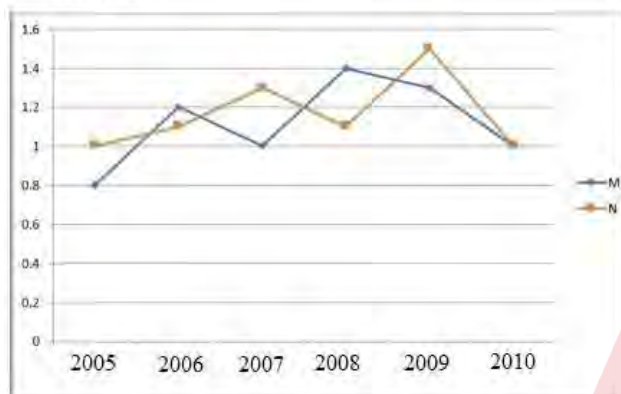
Q.6 Pranav gave 30% of the money he had to his wife, and 86% of the remaining to his two children. Half of the amount left was spent on other things, and the remaining amount of ₹98,000 was deposited in the bank. How much money did he have initially?

- Ans
- ☐ 1. ₹30,00,000
 - ☐ 2. ₹10,00,000
 - ☒ 3. ₹20,00,000
 - ☐ 4. ₹40,00,000

Q.7 If the radius of a sphere is increased by 3.5 cm, its surface area increases by 550 cm^2 . What was the original radius of the sphere? (use $\pi = \frac{22}{7}$)

- Ans**
- ☒ 1. 4 cm
 - ☒ 2. 4.5 cm
 - ☒ 3. 6 cm
 - ☒ 4. 3.5 cm

Q.8 The following line graph shows the ratio of imports to exports of two companies over the years. Study the graph carefully and answer the question that follows.



The exports of Company M with relation to imports was the maximum in which of the following years?

- Ans**
- ☒ 1. 2008
 - ☒ 2. 2009
 - ☒ 3. 2006
 - ☒ 4. 2005

Q.9 What will be the amount due on ₹12,000 in 2 years when the rate of simple interest on successive years is 9% and 10%, respectively?

- Ans**
- ☒ 1. ₹14,250
 - ☒ 2. ₹14,350
 - ☒ 3. ₹14,150
 - ☒ 4. ₹14,280

Q.10 A two-digit number is 12 more than five times the sum of its digits. The number formed by reversing the digits is 9 less than the original number. The number is:

- Ans**
- ☒ 1. 96
 - ☒ 2. 78
 - ☒ 3. 87
 - ☒ 4. 69

Q.11 Two numbers are in the ratio 2:3. Their sum is 135. Find the numbers.

Ans ☒ 1. 54, 81

☐ 2. 45, 90

☐ 3. 50, 85

☐ 4. 60, 75

Q.12 Rohan takes 10 hours to mow a large lawn. He and Mohan together can mow it in 4 hours. How long will Mohan take to mow the lawn if he works alone?

Ans ☐ 1. $\frac{40}{3}$ hours

☐ 2. $\frac{10}{3}$ hours

☒ 3. $\frac{20}{3}$ hours

☐ 4. $\frac{16}{3}$ hours

Q.13 If $\tan(t) = \frac{3}{7}$, t is an acute angle, then what is the value of $\operatorname{cosec}(t)$?

Ans ☒ 1. $\frac{\sqrt{58}}{3}$

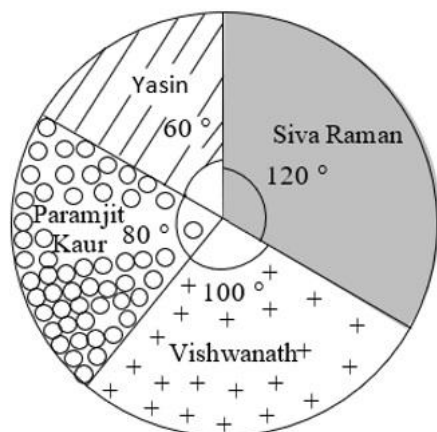
☐ 2. $\frac{\sqrt{53}}{7}$

☐ 3. $\frac{\sqrt{58}}{7}$

☐ 4. $\frac{\sqrt{53}}{3}$

Q.14 Study the given pie-chart and answer the question that follows.

The pie-chart represents the total number of valid votes obtained by four students who contested for school leadership. The total number of valid votes polled was 720.



Who won the election?

- Ans
- ☒ 1. Yasin
 - ☒ 2. Paramjit Kaur
 - ☒ 3. Vishwanath
 - ☒ 4. Siva Raman

Q.15 The average of the first 10 natural numbers is _____.

- Ans
- ☒ 1. 5
 - ☒ 2. 6
 - ☒ 3. 6.5
 - ☒ 4. 5.5

Q.16 A's income is equal to 125% of the income of B, while B's savings are 120% of the savings of A. If the expenditure of B is 75% of the expenditure of A, then how much are B's savings as a percentage of her expenditure?

- Ans
- ☒ 1. 20%
 - ☒ 2. $22\frac{1}{2}\%$
 - ☒ 3. $16\frac{2}{3}\%$
 - ☒ 4. $18\frac{3}{4}\%$

Q.17 Two circles have radii of 27 cm and 36 cm. The distance between their centres is 45 cm. What is the length (in cm) of their common chord?

- Ans
- ☒ 1. 47.5 cm
 - ☒ 2. 37.2 cm
 - ☒ 3. 40.5 cm
 - ☒ 4. 43.2 cm

Q.18 The perimeter of a square whose area is the same as the area of a semi-circle of radius $2\sqrt{2}$ cm is:

- Ans
- ☒ 1. $8\sqrt{\pi}$ cm
 - ☐ 2. $8\sqrt{2\pi}$ cm
 - ☐ 3. $16\sqrt{\pi}$ cm
 - ☐ 4. $4\sqrt{\pi}$ cm

Q.19 The length of a common external tangent to two circles of an equal radius of 5 units is equal to the diameter of the circle. Which of the following can be the distance between the centres of the circles in units?

- Ans
- ☐ 1. 8
 - ☐ 2. 12
 - ☐ 3. 9
 - ☒ 4. 10

Q.20 The ratio of the speeds of a boat while going upstream and going downstream is 2 : 3 and the sum of these two speeds is 15 km/h. What is the speed of the stream?

- Ans
- ☐ 1. 3.5 km/h
 - ☒ 2. 1.5 km/h
 - ☐ 3. 3 km/h
 - ☐ 4. 2.5 km/h

Q.21 The given table represents the percentage marks of three students in three subjects. Study the table and answer the question.

subject	Geography	History	Economics
Student			
Rohan	78	77	74
Sohan	84	80	82
Mohan	87	83	86

The average marks obtain by Sohan in all three subject is equal to:

- Ans
- ☒ 1. 82
 - ☐ 2. 84
 - ☐ 3. 78
 - ☐ 4. 80

Q.22 When the integer n is divided by 5, the remainder is 3. What is the remainder if $6n$ is divided by 5?

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

Q.23 ABC is a right-angled triangle, right angled at A in such a way that $AB = AC$ and the bisector of angle B intersects the side AC at D. DM is perpendicular to BC, intersecting BC at M. If $AB = 12$ cm and $BC = 12\sqrt{2}$ cm, then find the length of side AD.

Ans

☐ 1. $12(\sqrt{2} + 2)$ cm

☒ 2. $12(\sqrt{2} - 1)$ cm

☐ 3. $12(\sqrt{2} - 2)$ cm

☐ 4. $12(\sqrt{2} + 1)$ cm

Q.24 A metallic solid cuboid of dimensions 36 cm \times 22 cm \times 12 cm is melted and recast in the form of cubes of side 6 cm. Find the number of the cubes so formed.

Ans

☐ 1. 45

☐ 2. 46

☐ 3. 43

☒ 4. 44

Q.25 Identify a single-digit number other than 1, which may exactly divide the number $17^3 + 18^3 - 16^3 - 15^3$.

Ans

☐ 1. 3

☐ 2. 5

☐ 3. 7

☒ 4. 2

Q.1 India is home to the second oldest cricket club in the world. Where is it situated?

Ans

☐ 1. Mumbai

☒ 2. Kolkata

☐ 3. Hyderabad

☐ 4. Chennai

Q.2 In which of the following regions of India is the Mundari language spoken?

Ans

☒ 1. Chota-Nagpur plateau

☐ 2. Baghelkhand

☐ 3. Thar desert

☐ 4. Malwa plateau

Q.3 Which of the following statements is/are true with respect to MRTP Act?

- i) The Monopolies and Restrictive Trade Practices Act (MRTP Act) was repealed and replaced by the Competition Act, 2002.
- ii) The asset limit for MRTP companies was fixed at Rs. 25 crores by the first/original Monopolies and Restrictive Trade Practices Act (MRTP Act).
- iii) The Monopolies and Restrictive Trade Practices Act (MRTP Act) was first passed in 1969.

- Ans**
- ☒ 1. Only iii
 - ☒ 2. Only i and iii
 - ☒ 3. Only i and ii
 - ☒ 4. Only ii and iii

Q.4 'Pankhida' songs are sung by peasants of _____ while working on the fields.

- Ans**
- ☒ 1. Bihar
 - ☒ 2. Uttar Pradesh
 - ☒ 3. Rajasthan
 - ☒ 4. Odisha

Q.5 _____ is a musical composition that expresses devotion through madhura bhakti.

- Ans**
- ☒ 1. Tillana
 - ☒ 2. Gita
 - ☒ 3. Padam
 - ☒ 4. Kriti

Q.6 Which of the following organisation's initiative is 'India Justice Report'?

- Ans**
- ☒ 1. HCL Foundation
 - ☒ 2. Infosys Foundation
 - ☒ 3. Tata Trusts
 - ☒ 4. Azim Premji Foundation

Q.7 Which set of Articles in the Constitution of India are known as 'Cultural and Educational Rights'?

- Ans**
- ☒ 1. Articles 19-20
 - ☒ 2. Articles 23-24
 - ☒ 3. Articles 29-30
 - ☒ 4. Articles 14-15

Q.8 Pandit Birju Maharaj was related to:

- Ans**
- ☒ 1. Ozele
 - ☒ 2. Odissi
 - ☒ 3. Tapu
 - ☒ 4. Kathak

Q.9 In the 11th century, under Maḥmūd of Ghazni, Ghaznī, a small town in _____, became the capital of the vast empire of the Ghaznavids.

- Ans**
- ☐ 1. Egypt
 - ☐ 2. Persia
 - ☒ 3. Afghanistan
 - ☐ 4. Turkey

Q.10 Which type of electromagnetic radiation was discovered by Johann Wilhelm Ritter in 1801?

- Ans**
- ☐ 1. X-rays
 - ☐ 2. Infrared rays
 - ☐ 3. Gamma rays
 - ☒ 4. Ultraviolet rays

Q.11 A school teacher asks students to stand up every time national anthem is sung. Which Article enshrines this fundamental duty?

- Ans**
- ☒ 1. Article 51A (a)
 - ☐ 2. Article 51 (b)
 - ☐ 3. Article 51 (d)
 - ☐ 4. Article 51 (c)

Q.12 According to the National Multidimensional poverty index 2021, which of the following states has the lowest percentage of population being multidimensional poor?

- Ans**
- ☐ 1. Punjab
 - ☐ 2. Maharashtra
 - ☒ 3. Sikkim
 - ☐ 4. Bihar

Q.13 Who founded a reformist organisation called 'Brahmo Samaj' in Calcutta?

- Ans**
- ☐ 1. Jyotiba Phule
 - ☐ 2. Vinoba Bhave
 - ☐ 3. Ishwar Chandra Vidyasagar
 - ☒ 4. Raja Ram Mohan Roy

Q.14 The Government of India's Ministry of Culture organised a programme called Vitasta in January 2023. This programme exhibits rich culture, arts and crafts of which region?

- Ans**
- ☐ 1. Ladakh
 - ☒ 2. Kashmir
 - ☐ 3. Himachal
 - ☐ 4. Punjab

Q.15 Indian Railway was introduced in the year _____.

- Ans**
- ☒ 1. 1853
 - ☐ 2. 1851
 - ☐ 3. 1852
 - ☐ 4. 1850

Q.16 Which state secured over all third position in the medals tally at the 36th National Games (2022) of India?

- Ans
- ☒ 1. Kerala
 - ☒ 2. Maharashtra
 - ☒ 3. Delhi
 - ☒ 4. Haryana

Q.17 In which year did the Indian football team go on its first known official international tour?

- Ans
- ☒ 1. 1947
 - ☒ 2. 1950
 - ☒ 3. 1914
 - ☒ 4. 1924

Q.18 When a new text document is created in MS-Office 2016, the default text size of the document is ____.

- Ans
- ☒ 1. 14 points
 - ☒ 2. 10 points
 - ☒ 3. 12 points
 - ☒ 4. 11 points

Q.19 Which state organises the Lokrang Festival?

- Ans
- ☒ 1. Arunachal Pradesh
 - ☒ 2. Himachal Pradesh
 - ☒ 3. Uttar Pradesh
 - ☒ 4. Madhya Pradesh

Q.20 Which cost is considered for calculating the national income in India?

- Ans
- ☒ 1. Product cost
 - ☒ 2. Factor cost
 - ☒ 3. Market cost
 - ☒ 4. Sunk cost

Q.21 Which of the following types of crops are sown at the beginning of the monsoon season?

- Ans
- ☒ 1. Rabi crops
 - ☒ 2. Kharif crops
 - ☒ 3. Vital crops
 - ☒ 4. Zaid crops

Q.22 Which of the following is an input device?

- Ans
- ☒ 1. Keyboard
 - ☒ 2. Speaker
 - ☒ 3. Monitor
 - ☒ 4. Printer

Q.23 Why is the six membered cyclic structure of glucose called a pyranose structure?

- Ans**
- ☐ 1. Pyran is a non-cyclic organic compound, with one oxygen atom and five carbon atoms in the ring.
 - ☐ 2. Furan is a five membered cyclic compound, with one oxygen and four carbon atoms.
 - ☒ 3. Pyran is a cyclic organic compound, with one oxygen atom and five carbon atoms in the ring.
 - ☐ 4. Furan is a five membered non-cyclic compound, with one oxygen and four carbon atoms.

Q.24 Recently, a bill on Uniform Civil Code (UCC) was introduced. Consider the following statements about UCC and identify the correct statement(s) from them.

1. The Uniform Civil Code in India Bill, 2020, was introduced in the Lok Sabha as a private member bill.
2. UCC refers to the same set of civil laws applicable to all the citizens of India in all the personal matters.
3. The provision for UCC in the Constitution of India is mentioned under Article 44.

- Ans**
- ☐ 1. Only 1
 - ☐ 2. Only 3
 - ☐ 3. Only 1 and 3
 - ☒ 4. Only 2 and 3

Q.25 Western disturbances are responsible for:

- Ans**
- ☐ 1. dusty storms in eastern costal area of India
 - ☐ 2. hot winds during summers in northern India
 - ☐ 3. extremely chilled weather of north-east India
 - ☒ 4. rainfall during winters in north-western part of India