

Combined Higher Secondary Level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	17/08/2023
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2023 Tier I

Section : English Language

Q.1 Select the most appropriate **ANTONYM** of the underlined word in the given sentence.
Everyone feels that he is pompous, but I know the underlying truth that he is a man of great understanding and love.

- Ans** 1. Modest
 2. Lofty
 3. Grandiose
 4. Haughty

Question ID : 264330143229
 Status : Answered
 Chosen Option : 2

Q.2 Select the **INCORRECTLY** spelt word.

- Ans** 1. Souvenir
 2. Symbolise
 3. Suseptible
 4. Sympathetic

Question ID : 264330143240
 Status : Answered
 Chosen Option : 1

Q.3 Select the grammatically correct version of the following sentence.

He was youngest than his brother.

- Ans** 1. He was younger than his brother.
 2. He was youngest to his brother.
 3. He was too young than his brother.
 4. He was young to his brother.

Question ID : 264330144327
 Status : Answered
 Chosen Option : 1

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Q.4 Select the most appropriate ANTONYM of the underlined word in the given sentence.

We were very much enthusiastic about our tour to Agra.

- Ans 1. obsessed
 2. anxious
 3. casual
 4. inclined

Question ID : 264330144256
Status : Answered
Chosen Option : 3

Q.5 Select the option that correctly expresses the following sentence in active voice.

This was talked about in the meeting by the officers.

- Ans 1. The officers were talking about in the meeting.
 2. The officers talked about this in the meeting.
 3. The officers in the meeting had talked about it.
 4. The officers talk about this in the meeting.

Question ID : 264330144335
Status : Answered
Chosen Option : 2

Q.6 Select the most appropriate option that can substitute the underlined segment in the given sentence.

From a recent research, evident is it that a lot more women have been opting for professional courses.

- Ans 1. it is evident that more a lot women
 2. it is evidently that a lot more women
 3. it is evident that a lot more women
 4. it is evidence that a lot more women

Question ID : 264330144099
Status : Answered
Chosen Option : 3

Q.7 Select the most appropriate synonym of the word 'Bleak' from the given sentence.

He looked gloomy, frail, broken and slow after the sudden demise of his brother.

- Ans 1. slow
 2. gloomy
 3. frail
 4. sudden

Question ID : 264330144308
Status : Not Answered
Chosen Option : --

Q.8 Select the correct spelling from the given options to fill in the blank.
Mihika was one of the _____ in the Master Chef competition held in our society last year.

- Ans
- 1. contextants
 - 2. contestents
 - 3. contestants
 - 4. kontestants

Question ID : 264330141316
Status : Answered
Chosen Option : 3

Q.9 Select the most appropriate ANTONYM of the given word.

Elusive

- Ans
- 1. Explosive
 - 2. Affordable
 - 3. Definite
 - 4. Rigid

Question ID : 264330142631
Status : Answered
Chosen Option : 3

Q.10 Select the option that expresses the given sentence in passive voice.
The students must complete the assignment by Friday.

- Ans
- 1. The assignment must be completed by the students by Friday.
 - 2. The assignment will be completed by the students by Friday.
 - 3. The students will have completed the assignment by Friday.
 - 4. The assignment must be complete by Friday by the students.

Question ID : 264330149481
Status : Answered
Chosen Option : 1

Q.11 Select the option that can be used as a one-word substitute for the underlined group of words.

Kidney beans were boiled quickly when Nisha added a substance that speeds up a chemical reaction without being consumed by the reaction itself.

- Ans
- 1. reactant
 - 2. catalyst
 - 3. enzyme
 - 4. solute

Question ID : 264330144145
Status : Answered
Chosen Option : 2

Q.12 Select the most appropriate option to fill in the blank.

Sarah just gave _____ to a baby boy.

- Ans 1. birth
 2. breath
 3. broth
 4. berth

Question ID : 264330148958
 Status : Answered
 Chosen Option : 1

Q.13 Select the most appropriate option that can substitute the underlined segment in the given sentence.

My mother asked my father to increase her personal use allowance.

- Ans 1. pell mell
 2. rank and file
 3. pins and needles
 4. pin money

Question ID : 264330144125
 Status : Not Answered
 Chosen Option : --

Q.14 Select the most appropriate ANTONYM of the given word.

Repeal

- Ans 1. Approval
 2. Expense
 3. Separation
 4. Adversity

Question ID : 264330142633
 Status : Not Answered
 Chosen Option : --

Q.15 Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

- (O) on a regular basis can improve
 (P) engaging in physical activity
 (Q) the risk of chronic diseases, and boost mental health
 (R) cardiovascular health, reduce

- Ans 1. RPOQ
 2. PROQ
 3. PORQ
 4. OQRP

Question ID : 264330144201
 Status : Answered
 Chosen Option : 3

Q.16 Parts of a sentence are given below in jumbled order. Select the option that arranges the parts in the correct order to form a meaningful sentence.

- A) to his neighbours
- B) first name is Adam
- C) that no one even
- D) he is so rude
- E) knows that his

- Ans
- 1. D, A, C, E, B
 - 2. B, D, A, C, E
 - 3. A, C, B, D, E
 - 4. C, E, B, A, D

Question ID : 264330143919
Status : Answered
Chosen Option : 1

Q.17 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

When I was in 5th grade, / I use to / ride on my / red bicycle.

- Ans
- 1. red bicycle
 - 2. I use to
 - 3. When I was in 5th grade,
 - 4. ride on my

Question ID : 264330149888
Status : Answered
Chosen Option : 2

Q.18 Select the most appropriate idiom for the following statement.

The manager was punished for his negligence in work.

- Ans
- 1. Bid defiance
 - 2. Burn one's boats
 - 3. Bolt from the blue
 - 4. Bring to book

Question ID : 264330149545
Status : Not Answered
Chosen Option : --

Q.19 Select the most appropriate option that can be used as a one-word substitute for the underlined segment in the following sentence.

As I walked through the old town, I couldn't help but feel a sentimental longing for the simpler times of my childhood.

- Ans
- 1. affection
 - 2. homesickness
 - 3. inertia
 - 4. nostalgia

Question ID : 264330148909
Status : Answered
Chosen Option : 4

Q.20 Select the option that can be used as a one-word substitute for the given group of words.

Collection of written or spoken texts

- Ans**
- 1. Data bank
 - 2. Dictionary
 - 3. Corpus
 - 4. Circa

Question ID : 264330149863

Status : Answered

Chosen Option : 3

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.

The entertainment (1)_____ built by Walt Disney is sometimes called the 'House of Mouse' in acknowledgment of the leading role played by Disney's most famous creation, Mickey Mouse. Mickey's round mouse ears, either in silhouette or adorning a hat, have become one of the most (2)_____ corporate logos in the world. But if a few business decisions in the 1920s had gone differently, they could have been rabbit ears.

In the mid-1920s Disney was a young (3)_____ producing a series called the Alice Comedies, short films that combined live-action footage with animated images so that human actors appeared to interact with cartoon characters. But he had grown tired of the series and wanted to move on to making completely animated films. In 1927 he got his wish, (4)_____ a deal with Universal to produce a new series based on the adventures of a character called Oswald the Lucky Rabbit. Both the name and the species of the character had been picked by Universal—'Oswald' was (5)_____ picked out of a hat of names, and the character was made a rabbit because there were already too many cartoon cats on the market.

SubQuestion No : 21

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

- Ans**
- 1. empire
 - 2. power
 - 3. province
 - 4. country

Question ID : 264330149570

Status : Answered

Chosen Option : 1

Comprehension:

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The entertainment (1)_____ built by Walt Disney is sometimes called the 'House of Mouse' in acknowledgment of the leading role played by Disney's most famous creation, Mickey Mouse. Mickey's round mouse ears, either in silhouette or adorning a hat, have become one of the most (2)_____ corporate logos in the world. But if a few business decisions in the 1920s had gone differently, they could have been rabbit ears.

In the mid-1920s Disney was a young (3)_____ producing a series called the Alice Comedies, short films that combined live-action footage with animated images so that human actors appeared to interact with cartoon characters. But he had grown tired of the series and wanted to move on to making completely animated films. In 1927 he got his wish, (4)_____ a deal with Universal to produce a new series based on the adventures of a character called Oswald the Lucky Rabbit. Both the name and the species of the character had been picked by Universal—'Oswald' was (5)_____ picked out of a hat of names, and the character was made a rabbit because there were already too many cartoon cats on the market.

SubQuestion No : 22

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

- Ans 1. visible
 2. measurable
 3. notifiable
 4. recognisable

Question ID : 264330149571
Status : Answered
Chosen Option : 4

Comprehension:

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The entertainment (1)_____ built by Walt Disney is sometimes called the 'House of Mouse' in acknowledgment of the leading role played by Disney's most famous creation, Mickey Mouse. Mickey's round mouse ears, either in silhouette or adorning a hat, have become one of the most (2)_____ corporate logos in the world. But if a few business decisions in the 1920s had gone differently, they could have been rabbit ears.

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SubQuestion No : 23

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

- Ans 1. artisan
 2. craftsman
 3. animator
 4. miniaturist

Question ID : 264330149572
Status : Answered
Chosen Option : 3

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.

The entertainment (1)_____ built by Walt Disney is sometimes called the 'House of Mouse' in acknowledgment of the leading role played by Disney's most famous creation, Mickey Mouse. Mickey's round mouse ears, either in silhouette or adorning a hat, have become one of the most (2)_____ corporate logos in the world. But if a few business decisions in the 1920s had gone differently, they could have been rabbit ears.

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SubQuestion No : 24

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

- Ans 1. striking
 2. crossing
 3. bewitching
 4. possessing

Question ID : 264330149573
Status : Answered
Chosen Option : 1

Comprehension:

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The entertainment (1)_____ built by Walt Disney is sometimes called the 'House of Mouse' in acknowledgment of the leading role played by Disney's most famous creation, Mickey Mouse. Mickey's round mouse ears, either in silhouette or adorning a hat, have become one of the most (2)_____ corporate logos in the world. But if a few business decisions in the 1920s had gone differently, they could have been rabbit ears.

In the mid-1920s Disney was a young (3)_____ producing a series called the Alice Comedies, short films that combined live-action footage with animated images so that human actors appeared to interact with cartoon characters. But he had grown tired of the series and wanted to move on to making completely animated films. In 1927 he got his wish, (4)_____ a deal with Universal to produce a new series based on the adventures of a character called Oswald the Lucky Rabbit. Both the name and the species of the character had been picked by Universal—'Oswald' was (5)_____ picked out of a hat of names, and the character was made a rabbit because there were already too many cartoon cats on the market.

SubQuestion No : 25

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

- Ans 1. apparently
 2. anatomically
 3. reasonably
 4. outwardly

Question ID : 264330149574
Status : Answered
Chosen Option : 1

Q.1 In a certain code language, 'Shyam studies English in Patna' is coded as 'pi ji ti fi qi', 'Her sister lives in Mumbai' is coded as 'mi hi ji ki ni', 'Rama studies Chemistry' is coded as 'di li pi' and 'sister studies English and Chemistry' is coded as 'bi ki pi di fi. How is 'and' coded in that language?

- Ans**
- 1. fi
 - 2. bi
 - 3. di
 - 4. ki

Question ID : 264330146347
Status : Answered
Chosen Option : 2

Q.2 Find the correct alternative that when filled in the blanks in the same sequence will make the series logically complete.
_ B X _ _ X _ B _ X _ X _ X

- Ans**
- 1. XXBXXBXX
 - 2. XBXXBXX
 - 3. BBXXBXXX
 - 4. BXXXBBBB

Question ID : 264330150472
Status : Answered
Chosen Option : 1

Q.3 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

L 17 Z, ? , R 22 V, U 29 T, X 27 R

- Ans**
- 1. M 21 Y
 - 2. N 23 Y
 - 3. O 24 X
 - 4. N 21 X

Question ID : 264330147258
Status : Answered
Chosen Option : 4

Q.4 Which number from among the given options can replace the question mark (?) in the following series?

88, 94, 106, ?, 148, 178

- Ans**
- 1. 136
 - 2. 132
 - 3. 124
 - 4. 116

Question ID : 264330146990
Status : Answered
Chosen Option : 3

Q.5 Select the triad in which the numbers are related in the same way as are the numbers of the following triads.

4 - 5 - 14

7 - 8 - 20

(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. 8 - 7 - 45
 - 2. 11 - 13 - 77
 - 3. 9 - 12 - 26
 - 4. 5 - 9 - 18

Question ID : 264330147364
 Status : Not Answered
 Chosen Option : --

Q.6 What should come in place of the question mark (?) in the given series?

84, 89, 98, 111, 128, ?

- Ans**
- 1. 139
 - 2. 132
 - 3. 149
 - 4. 143

Question ID : 264330147432
 Status : Answered
 Chosen Option : 3

Q.7 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans**
- 1. 5 T 6 E D d k
 - 2. 5 T 6 E D d k
 - 3. 2 6 T 6 E D d k
 - 4. 5 T 6 E D d k

Question ID : 264330146672
 Status : Answered
 Chosen Option : 2

Q.8 The second number in the given number pairs is obtained by performing certain mathematical operations(s) on the first number. The same operation(s) are followed in all the number pairs except one. Find that odd number pair.

- Ans**
- 1. 4 : 36
 - 2. 2 : 10
 - 3. 5 : 55
 - 4. 3 : 23

Question ID : 264330147132
Status : Answered
Chosen Option : 4

Q.9 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:

- All papers are scissors.
- Some scissors are books.
- All books are animals.

Conclusions:

- (I): Some animals are books
- (II): Some scissors are papers.

- 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

Question ID : 264330152113
Status : Answered
Chosen Option : 3

Q.10 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

CMW, MWG, WGQ, GQA, ?

- Ans**
- 1. AKQ
 - 2. KAQ
 - 3. QAK
 - 4. QBL

Question ID : 264330146736
Status : Answered
Chosen Option : 3

Q.11 What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$13 \div 145 \times 29 - 69 + 27 = ?$$

- Ans**
- 1. 79
 - 2. 102
 - 3. 107
 - 4. 114

Question ID : 264330146397
Status : Answered
Chosen Option : 3

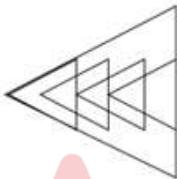
Q.12 Select the combination of letters that when sequentially placed in the blanks of the given series will make the series logically complete.

F _ H I E H _ J D I F _ _ J E L

- Ans**
- 1. ELFX
 - 2. GGKC
 - 3. KGGG
 - 4. FGEL

Question ID : 264330146748
Status : Not Answered
Chosen Option : --

Q.13 Identify the number of triangles in the given figure.



- Ans**
- 1. 8
 - 2. 12
 - 3. 9
 - 4. 11

Question ID : 264330151078
Status : Answered
Chosen Option : 1

Q.14 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

S	T	B	B	□	O	O	S	T	T	B	□	
=			V			A		=				?
V	□	O	S	T	=	=	B	□	O	S	A	

Ans

✗ 1.

T	□	=
	O	
S	A	2

✗ 2.

S	O	T
	2	
A	□	B

✓ 3.

□	O	S
	2	
A	T	B

✗ 4.

2	T	B
	□	
=	O	S

Question ID : 264330151187
 Status : Not Answered
 Chosen Option : --

Q.15 The second number in the given number pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number pairs except one. Find that odd number pair.

(NOTE: Operations should be performed on whole numbers, without breaking down the numbers into their 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. 21 : 100
 ✗ 2. 19 : 88
 ✗ 3. 13 : 64
 ✗ 4. 17 : 80

Question ID : 264330150854
 Status : Answered
 Chosen Option : 1

Q.16 In a certain code language, 'how are you' is written as 'mp rc gp' and 'do you follow' is coded as 'hk mp bo'. How is 'you' coded in the given language?

- Ans**
- 1. mp
 - 2. rc
 - 3. gp
 - 4. bo

Question ID : 264330146763
Status : Answered
Chosen Option : 1

Q.17 Based on the alphabetical order, three of the following four options are alike in a certain way and thus form a group. Which is the option that does NOT belong to this group?

- Ans**
- 1. TSQ
 - 2. YWU
 - 3. FEC
 - 4. MLJ

Question ID : 264330147254
Status : Answered
Chosen Option : 2

Q.18 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?

13 B 145 A 29 C 69 D 17 = ?

- Ans**
- 1. 119
 - 2. 121
 - 3. 115
 - 4. 117

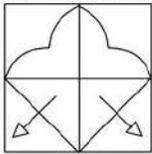
Question ID : 264330146427
Status : Answered
Chosen Option : 4

Q.19 23 is related to 34 following a certain logic. Following the same logic, 84 is related to 95. To which of the following is 59 related to, following the same logic?

- Ans**
- 1. 74
 - 2. 68
 - 3. 70
 - 4. 64

Question ID : 264330147354
Status : Answered
Chosen Option : 3

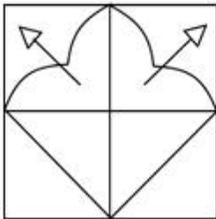
Q.20 Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



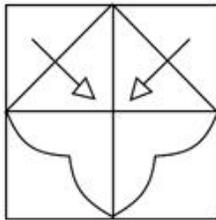
M N

Ans

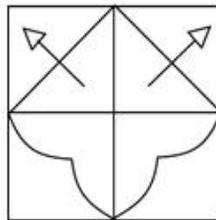
✗ 1.



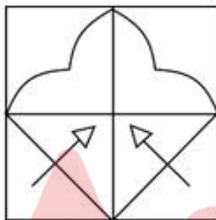
✗ 2.



✓ 3.



✗ 4.



Question ID : 264330146476
Status : Answered
Chosen Option : 3

Q.21 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically and definitely follow/s from the given statements.

Statements: All Fingers are Hands. Some Hands are Seconds. All Seconds are Clocks.

Conclusions: (I) Some Clocks are Hands.

(II) Some Fingers are Clocks.

- Ans**
- 1. Both conclusions (I) and (II) follow.
 - 2. Both conclusions (I) and (II) do not follow.
 - 3. Only conclusion (I) follows.
 - 4. Only conclusion (II) follows.

Question ID : 264330151163
Status : Answered
Chosen Option : 3

Q.22 If 2 June 1995 is Friday, then what will be the day of the week on 16 June 1996?

- Ans**
- 1. Monday
 - 2. Sunday
 - 3. Tuesday
 - 4. Wednesday

Question ID : 264330147087
Status : Not Answered
Chosen Option : --

Q.23 DMITS is related to FOVU in a certain way based on the English alphabetical order. In the same way, KQQO is related to MISQ. To which of the following is HCMJ related following the same logic?

- Ans**
- 1. JDOK
 - 2. KFPM
 - 3. JEOL
 - 4. IEPN

Question ID : 264330151978
Status : Answered
Chosen Option : 3

Q.24 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered meaningful English words and must not be related to each other based on the number of letters/consonants/vowels in the word.)

Bitter : Pungent

- Ans**
- 1. Boggle : Wonder
 - 2. Digitise : Digress
 - 3. Cider : Cine
 - 4. Cite : Cirrus

Question ID : 264330146980
Status : Not Answered
Chosen Option : --

Q.25 The position of how many letters will be changed if each of the letters in the word JOURNEY is arranged in alphabetical order?

- Ans**
- 1. Five
 - 2. Seven
 - 3. Four
 - 4. Six

Question ID : 264330146881
Status : Answered
Chosen Option : 3

Section : Quantitative Aptitude

Q.1 A seller sold a bag at a profit of 12%. If he had sold it for ₹900 more, he would have gained 27%. What is the CP of the bag?

- Ans**
- 1. ₹6,000
 - 2. ₹6,500
 - 3. ₹5,560
 - 4. ₹7,000

Question ID : 264330149419
Status : Answered
Chosen Option : 1

Q.2 Simplify $(3x - 2y)(3x + 2y)(9x^2 + 4y^2)$.

- Ans**
- 1. $81x^4 + 16y^4$
 - 2. $81y^4 - 16x^4$
 - 3. $81y^4 + 16x^4$
 - 4. $81x^4 - 16y^4$

Question ID : 264330148183
Status : Answered
Chosen Option : 4

Q.3 A and B are running on a circular track of length 1400 metres. The speed of A is 33 m/sec and the speed of B is 47 m/sec. They start from the same point at the same time in the opposite direction. After how much time will they meet for the second time?

- Ans**
- 1. 33 sec
 - 2. 38 sec
 - 3. 35 sec
 - 4. 32 sec

Question ID : 264330148401
Status : Not Answered
Chosen Option : --

Q.4 The average weight of 64 students is 48 kg and the average weight of another class of 32 students is 24 kg. Find the average weight of both classes combined.

- Ans**
- 1. 34 kg
 - 2. 36 kg
 - 3. 40 kg
 - 4. 32 kg

Question ID : 264330146514
Status : Answered
Chosen Option : 3

Q.5 An arc of length 33π cm subtends an angle of 132° at the centre of the circle. Find the radius of the circle.

- Ans**
- 1. 45 cm
 - 2. 40 cm
 - 3. 30 cm
 - 4. 35 cm

Question ID : 264330147684
Status : Not Answered
Chosen Option : --

Q.6 A shopkeeper gives an additional concession of 5% on an item which is already discounted by 15% on the marked price. If the buyer pays ₹3,068.5 for the item, then find the marked price.

- Ans**
- 1. ₹3,500
 - 2. ₹3,700
 - 3. ₹3,800
 - 4. ₹3,780

Question ID : 264330147625
Status : Answered
Chosen Option : 4

Q.7 Compound interest on a certain sum of money invested for 1.5 years at the rate of 10% per annum, compounded half yearly is ₹5,044. What is the sum?

- Ans**
- ✓ 1. ₹32,000
 - ✗ 2. ₹37,044
 - ✗ 3. ₹33,000
 - ✗ 4. ₹22,000

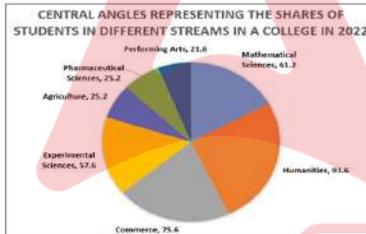
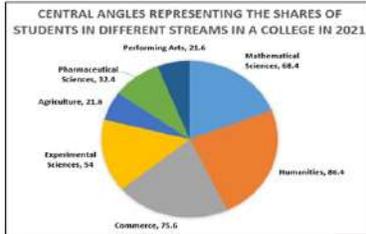
Question ID : 264330149066
Status : Not Answered
Chosen Option : --

Q.8 If $a : b = 3 : 7$, then $(2a + 3b) : (3a + 2b)$ is:

- Ans**
- ✓ 1. 27 : 23
 - ✗ 2. 23 : 29
 - ✗ 3. 21 : 29
 - ✗ 4. 21 : 23

Question ID : 264330148003
Status : Answered
Chosen Option : 1

Q.9 The shares of students studying in different streams of a college in the years 2021 and 2022 are as reflected in the two pie charts given below.



The number of students opting for the pharmaceutical sciences in the college in 2022 was 180 more than the number of students opting for the pharmaceutical sciences in the college in 2021. The number of students opting for agriculture in the college in 2022 was 1380 more than the number of students opting for agriculture in the college in 2021.

What was the positive difference between the total number of students in the college in the years 2021 and 2022?

- Ans**
- ✓ 1. 14000
 - ✗ 2. 13000
 - ✗ 3. 13600
 - ✗ 4. 15000

Question ID : 264330146810
Status : Not Answered
Chosen Option : --

Q.10 The sum of money at simple interest amounts to ₹750 in 3 years and to ₹825 in 4 years. The sum is:

- Ans
- 1. ₹475
 - 2. ₹500
 - 3. ₹550
 - 4. ₹525

Question ID : 264330151365
Status : Answered
Chosen Option : 4

Q.11 A hemispherical bowl is made of 1 cm thick steel. The inside radius of the bowl is 4 cm. The volume of the steel (in cm^3) used in making the bowl is:

- Ans
- 1. $40\frac{2}{3}\pi$
 - 2. $27\frac{1}{3}\pi$
 - 3. $41\frac{1}{3}\pi$
 - 4. $35\frac{1}{3}\pi$

Question ID : 264330148013
Status : Answered
Chosen Option : 3

Q.12 Three angles of a triangle are $(x - 15)^\circ$, $(x + 45)^\circ$ and $(x + 60)^\circ$. Identify the type of triangle.

- Ans
- 1. Obtuse angle triangle
 - 2. Right angle triangle
 - 3. Isosceles triangle
 - 4. Equilateral triangle

Question ID : 264330147639
Status : Not Answered
Chosen Option : --

Q.13 If $\operatorname{cosec}A + \cot A = a\sqrt{b}$, then find the value of $\frac{(a^2b-1)}{(a^2b+1)}$.

- Ans
- 1. $\cos A$
 - 2. $\tan A$
 - 3. $\frac{1}{\sin A}$
 - 4. $\frac{1}{\cot A}$

Question ID : 264330147984
Status : Answered
Chosen Option : 3

Q.14 The value of $\left(\frac{2 + 7 \times 7 \div 9 \text{ of } 9 + 6 \div 6 \times 2}{4 \div 4 \text{ of } 5 + 7 \times 7 \div 7 - 6 + 4}\right)$ is:

- Ans
- 1. $\frac{1734}{2407}$
 - 2. $\frac{1865}{2106}$
 - 3. $\frac{1857}{2507}$
 - 4. $\frac{1664}{2305}$

Question ID : 264330148390
Status : Not Answered
Chosen Option : --

Q.15 If $\tan A = \frac{3}{4}$, find the value of the following expression.

$$\frac{6 \sin A}{1 - \sin A}$$

- Ans
- 1. 18
 - 2. 9
 - 3. 24
 - 4. 12

Question ID : 264330147688
Status : Answered
Chosen Option : 2

Q.16 Raju and Akber take 4 hours and 6 hours to type 32 pages and 48 pages, respectively on a computer. They are given an assignment of typing 256 pages. If they work together, typing on two different computers, starting at the same time, how much time will they take to complete the assignment (in hours)?

- Ans
- 1. 16
 - 2. 14
 - 3. 18
 - 4. 12

Question ID : 264330147763
Status : Answered
Chosen Option : 1

Q.17 Triangle ABC is an isosceles triangle with $AB = AC$. If angle $BAC = 50^\circ$, then the degree measure of angle ABC is equal to:

- Ans**
- 1. 70°
 - 2. 55°
 - 3. 60°
 - 4. 65°

Question ID : 264330148825
Status : Answered
Chosen Option : 4

Q.18 By driving the car at an average speed of 40 km per hour, I reach my destination in 7 hours. With what speed I can reach the same destination in 5 hours?

- Ans**
- 1. 50 km per hour
 - 2. 56 km per hour
 - 3. 55 km per hour
 - 4. 65 km per hour

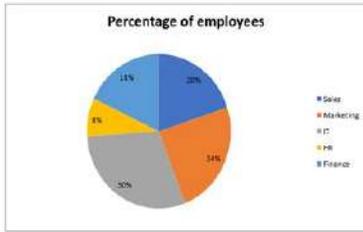
Question ID : 264330147706
Status : Answered
Chosen Option : 2

Q.19 An article is sold for ₹864 after two successive equal discounts of 25% each on its marked price. What is the discount (in ₹)?

- Ans**
- 1. 698
 - 2. 612
 - 3. 584
 - 4. 672

Question ID : 264330147779
Status : Not Answered
Chosen Option : --

Q.20 Study the given pie-chart and answer the question that follows.
The pie-chart shows the percentage of employees in various departments of a company having a total workforce of 7,200.



If out of the total salary budget, 30% is used to give salaries to the sales department and the average salary of an employee from the sales department is ₹48,000, then find the total salary budget (in crores).

- Ans**
- ✓ 1. 23.04
 - ✗ 2. 22.95
 - ✗ 3. 23.55
 - ✗ 4. 23.40

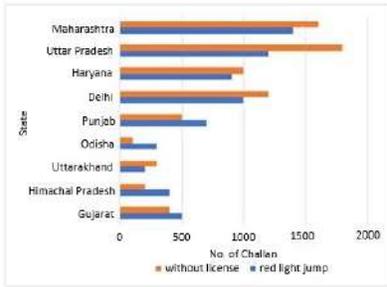
Question ID : 264330149265
 Status : Not Answered
 Chosen Option : --

Q.21 In a right-angled triangle PQR, PQ = 5 cm, QR = 13 cm and $\angle P = 90^\circ$. Find the value of $\tan Q - \tan R$.

- Ans**
- ✗ 1. $\frac{5}{14}$
 - ✓ 2. $\frac{119}{60}$
 - ✗ 3. $\frac{60}{119}$
 - ✗ 4. $\frac{14}{5}$

Question ID : 264330147767
 Status : Answered
 Chosen Option : 2

Q.22 The bar graph represents the number of challan in 9 states of India.



What per cent is the number of challans in Maharashtra of the total number of challans with Himachal Pradesh and Odisha?

- Ans
- 1. 280%
 - 2. 400%
 - 3. 350%
 - 4. 300%

Question ID : 264330149062
Status : Not Answered
Chosen Option : --

Q.23 Simply the given expression: $(5p + 3q)(5p - 3q)$

- Ans
- 1. $25p^2 - 9q^2 + 30 pq$
 - 2. $25p^2 - 9q^2$
 - 3. $25p^2 + 9q^2$
 - 4. $25p^2 + 9q^2 - 30 pq$

Question ID : 264330148114
Status : Answered
Chosen Option : 2

Q.24 Suhas, a tree, and an 11.25 m tall building are positioned such that their feet on the ground are collinear and the tree is located between Suhas and the building. The tree is located at a distance of 7.5 m from Suhas and at a distance of 45 m from the building. Further, the eyes of Suhas, the top of the tree, and the top of the building fall in one line, and the eyes of Suhas are at a height of 1.8 m from the ground. Find the height (in m) of the tree.

- Ans
- 1. 3.00
 - 2. 3.30
 - 3. 3.15
 - 4. 3.45

Question ID : 264330146818
Status : Not Answered
Chosen Option : --

Q.25 If $p^2 - 4p - 1 = 0$, then the value of $p^2 + 3p + \frac{1}{p^2} - \frac{3}{p}$ is :

- Ans
- 1. 40
 - 2. 50
 - 3. 65
 - 4. 30

Question ID : 264330148284
Status : Not Answered
Chosen Option : --

Section : General Awareness

Q.1 Which of the following is an example of direct tax?

- Ans
- 1. Escheat
 - 2. Income Tax
 - 3. Custom Duty
 - 4. Goods and Services Tax

Question ID : 264330145683
Status : Answered
Chosen Option : 2

Q.2 In India which of the following statements regarding Fundamental Duty is NOT correct?

- Ans
- 1. Total number of Fundamental Duties are 11
 - 2. Article 51-A is related to Fundamental Duties
 - 3. Inserted by 43rd Constitutional Amendment
 - 4. Incorporated in Part IV-A of the Constitution

Question ID : 264330146549
Status : Not Answered
Chosen Option : --

Q.3 Which of these conditions enhance the potential of MFIs to attract more resources and expand services to their clients?

- Ans
- 1. Financially viable and self-sustaining MFIs
 - 2. Access to foreign aid
 - 3. Ability to disintegrate from communities they operate in
 - 4. Ability to lend large amounts of loans

Question ID : 264330144678
Status : Not Answered
Chosen Option : --

Q.4 How many countries are part of SAARC?

- Ans
- 1. 8
 - 2. 2
 - 3. 5
 - 4. 7

Question ID : 264330149387
Status : Answered
Chosen Option : 4

Q.5 Chaitrual and Phulaich are the festival of which of the following states?

- Ans
- 1. Himachal Pradesh
 - 2. Gujarat
 - 3. Uttarakhand
 - 4. Haryana

Question ID : 264330148667
Status : Not Answered
Chosen Option : --

Q.6 Which of the following erstwhile Princely states was primarily associated with Kathak?

- Ans
- 1. Tripura
 - 2. Avadh
 - 3. Baroda
 - 4. Vijaynagar

Question ID : 264330145757
Status : Not Answered
Chosen Option : --

Q.7 Identify the INCORRECT statement/s concerning SHGs.

- i. They include voluntary groups of up to 20 socially and economically homogenous people.
- ii. There is no need to follow the well-defined rules and bye-laws for SHGs.
- iii. In April 1996, RBI declared SHG-BLP as a priority sector lending activity.

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

Question ID : 264330145872
Status : Not Answered
Chosen Option : --

Q.8 Use of more labour and capital inputs on the given land under cultivation is referred to as _____.

- Ans
- 1. extensive cultivation
 - 2. intensive cultivation
 - 3. hybrid cultivation
 - 4. capitalist cultivation

Question ID : 264330144737
Status : Answered
Chosen Option : 1

Q.9 When was Kapil Dev awarded with Padma Shri Award?

- Ans
- 1. 1981
 - 2. 1980
 - 3. 1982
 - 4. 1983

Question ID : 264330145911
Status : Answered
Chosen Option : 4

Q.10 What is the most generally used indicator of overall economic performance?

- Ans
- 1. Per capita Gross National Product
 - 2. Human Development Index
 - 3. Physical Quality of Life Index
 - 4. Standard of living

Question ID : 264330150150
Status : Answered
Chosen Option : 1

Q.11 The analysis of the interrelationship between the economy and the environment in the economic environmental accounting system was put forward by _____.

- Ans
- 1. Central Statistical Office
 - 2. National Environmental Engineering Institute
 - 3. Directorate of Economics and Statistics
 - 4. United Nations Statistical Office

Question ID : 264330146126
Status : Answered
Chosen Option : 3

Q.12 Who among the following was the disciple of Ramakrishna Paramahansa?

- Ans
- 1. Swami Dayanand
 - 2. Swami Sahajanada
 - 3. Swami Vivekananda
 - 4. Swami Shraddhanand

Question ID : 264330150235
Status : Answered
Chosen Option : 3

Q.13 Which National Waterway runs from Haldia to Prayagraj?

- Ans
- 1. National Waterway 2
 - 2. National Waterway 1
 - 3. National Waterway 3
 - 4. National Waterway 4

Question ID : 264330149395
Status : Not Answered
Chosen Option : --

Q.14 Which of the following components is NOT related to the New India Literacy Programme?

- Ans
- 1. Business and Enhancing skill Development
 - 2. Foundational Literacy and Numeracy
 - 3. Critical Life Skills
 - 4. Basic Education

Question ID : 264330146251
Status : Answered
Chosen Option : 1

Q.15 Which of the following rivers originates near Sihawa in Raipur district of Chhattisgarh, flows through Odisha, and eventually empties into the Bay of Bengal?

- Ans
- 1. Mahanadi
 - 2. Krishna
 - 3. Godavari
 - 4. Cauvery

Question ID : 264330150266
Status : Not Answered
Chosen Option : --

Q.16 Which of the following programmes of the Government of India aims to provide connectivity to unconnected habitations as part of a poverty reduction strategy?

- Ans**
- 1. Prime Minister Rural Development Fellows Scheme
 - 2. Swarnjayanti Gram Swarozgar Yojana
 - 3. Pradhan Mantri Gram Sadak Yojana
 - 4. National Rural Livelihoods Mission

Question ID : 264330150368
Status : Answered
Chosen Option : 1

Q.17 Who is credited with creating the popular Raga Miya Ki Malhar?

- Ans**
- 1. Tansen
 - 2. Amir Khusrau
 - 3. Meera Bai
 - 4. Zakir Hussain

Question ID : 264330144774
Status : Answered
Chosen Option : 1

Q.18 Name a unit designed for wet and dry bulb thermometers to protect temperature sensors from being affected by direct or reflected sunlight.

- Ans**
- 1. Stevenson screen
 - 2. Skywarn screen
 - 3. Clarinet screen
 - 4. Cardinal screen

Question ID : 264330145632
Status : Not Answered
Chosen Option : --

Q.19 Who among the following sportspersons was NOT awarded the Arjuna Award in 2022?

- Ans**
- 1. Lakshya Sen
 - 2. Sushila Devi
 - 3. HS Prannoy
 - 4. Arpinder Singh

Question ID : 264330150081
Status : Not Answered
Chosen Option : --

Q.20 Which article of the Indian Constitution deals with the formation of New States and Alteration of Areas, Boundaries or names of existing States?

- Ans**
- 1. 6
 - 2. 4
 - 3. 3
 - 4. 5

Question ID : 264330150424
Status : Not Answered
Chosen Option : --

Q.21 Which of the following compounds having the molecular formula C_2H_2 is derived from the hydride of acetylene?

- Ans**
- 1. Ethynyl
 - 2. Propargyl
 - 3. Vinyl
 - 4. Allyl

Question ID : 264330150721
Status : Answered
Chosen Option : 1

Q.22 Who among the following was given the charge of looking after the imperial household during the Mughal administration?

- Ans**
- 1. Mir Saman
 - 2. Mir Bahri
 - 3. Mir Bakshi
 - 4. 'Mir-e-aatish'

Question ID : 264330150096
Status : Not Answered
Chosen Option : --

Q.23 Who among the following won the gold medal at International Weightlifting Federation's youth world championship in June 2022?

- Ans**
- 1. Devang Desai
 - 2. Gurunaidu Sanapathi
 - 3. Devineni Srikanth
 - 4. Fajaru Nasik

Question ID : 264330154818
Status : Not Answered
Chosen Option : --

Q.24 Ranjumoni Saikia was awarded the Sangeet Natak Akademi Award 2019 for her contribution to which classical dance?

- Ans**
- 1. Kuchipudi
 - 2. Mohiniyattam
 - 3. Sattriya
 - 4. Chhau

Question ID : 264330145798
Status : Not Answered
Chosen Option : --

Q.25 Name the transuranium element with atomic number 106, created by bombarding californium⁻²⁴⁹ with oxygen⁻¹⁸ nuclei.

- Ans**
- 1. Seaborgium
 - 2. Dubnium
 - 3. Hassium
 - 4. Copernicium

Question ID : 264330145603
Status : Not Answered
Chosen Option : --