SSC CHSL TIRE – I – Shift - 3 - 09-08-2023

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Combined Higher Secondary Level Examination 2023 Tier I

Roll Number	
Candidate Name	
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Exam Date	09/08/2023
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2023 Tier I

Section : **English Language**

Q.1 Select the INCORRECTLY spelt word.

Ans ✗ 1. Ambassador

✗ 2. Architecture

✗ 3. Awful

✓ 4. Accomodate

Question ID : **264330143236**
Status : **Answered**
Chosen Option : **4**

Q.2 Parts of the following sentence have been given as options. Select the option that contains an error.
The government has been accused in not doing enough to combat climate change.

Ans ✗ 1. climate change.

✓ 2. accused in

✗ 3. The government

✗ 4. enough to combat

Question ID : **264330143925**
Status : **Answered**
Chosen Option : **2**

Q.3 Select the most appropriate synonym of the underlined word.
The transient rains have caused harm to the crops in the north.

Ans ✗ 1. Perpetual

✗ 2. Long

✓ 3. Fleeting

✗ 4. Stable

Question ID : **264330149884**
Status : **Answered**
Chosen Option : **3**

Q.4 Parts of a sentence are given below in jumbled order, except the first part. Arrange the parts in the correct order to form a meaningful sentence.
It is…
A. who are continually trying to improve
B. not the least talented
C. their dialogue skills,
D. the most talented people

Ans ✓ 1. DACB

✗ 2. BADC

✗ 3. CDBA

✗ 4. ABDC

Q.5 Select the most appropriate option that can replace the underlined part of the following sentence.

It has been raining <u>from</u> morning.

Ans ✗ 1. for

✗ 2. though

✓ 3. since

✗ 4. till

Q.6 Select the most appropriate ANTONYM of the given word from the following sentence.
Decent
My father taught me to be true and ethical in business as dishonesty leads to downfall.

Ans ✓ 1. dishonesty

✗ 2. ethical

✗ 3. downfall

✗ 4. true

Q.7 Select the option that expresses the given sentence in active voice.
Let the book be read by me.

Ans ✓ 1. Let me read the book.

✗ 2. Let me had read the book.

✗ 3. Let me have read the book.

✗ 4. Let me please read the book.

Q.8 Select the most appropriate meaning of the given idiom.

Have a bash

Ans ✗ 1. to betray a close friend

✓ 2. to make an attempt

✗ 3. to spoil a moment

✗ 4. to put something on hold

Q.9 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) said that they are
B) hear this news
C) very sorry to
D) Catherine and David

Ans ✗ 1. C, D, B, A

✓ 2. D, A, C, B

✗ 3. B, D, C, A

✗ 4. A, C, D, B

Q.10 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.
The food container / is not enough big to meet / the demands of the affected people.

Ans ✗ 1. No error

✓ 2. is not enough big to meet

✗ 3. The food container

✗ 4. the demands of the affected people.

Q.11 Select the most appropriate idiom for the underlined segment in the following sentence.

Meera is not qualified much but has the art of speaking.

Ans ✓ 1. Gift of the gab

✗ 2. Hope against hope

✗ 3. An acid tongue

✗ 4. A lick of paint

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Q.12 Select the most appropriate option that can substitute the underlined segment in the following sentence.

The number of seats <u>in the movie theatre were reduced</u> to comply with the new social distancing guidelines.

Ans ✔ 1. in the movie theatre was reduced

✘ 2. in the movie theatre were being reduced

✘ 3. of the movie theatre were reduced

✘ 4. in the movie theatre are reduced

Q.13 Parts of the following sentence have been given as options. Select the option that contains an error.

The lack of mutual bonding was conspicuous from their shody body language in the marriage party.

Ans ✘ 1. conspicuous

✔ 2. shody

✘ 3. marriage

✘ 4. mutual

Q.14 Select the most appropriate ANTONYM of the underlined word in the given sentence.
Many <u>confessed</u> after the physical torture by the cops.

Ans ✘ 1. Revealed

✘ 2. Recognised

✘ 3. Acknowledged

✔ 4. Denied

Q.15 Select the most appropriate option that can substitute the underlined words in the given sentence.

Our former minister Mr. Sikhar is <u>in the running</u> from Shrinet Nagar for the post of Member of Legislative Assembly.

Ans ✔ 1. contesting the elections

✘ 2. making laws

✘ 3. teaching students

✘ 4. giving speeches

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

Affliction

Ans ✗ 1. Predicament

✗ 2. Mortgage

✗ 3. Jeopardy

✓ 4. Consolation

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

The tickets had already been booked by my friend.

Ans ✗ 1. My friend already booked the tickets.

✗ 2. The tickets had already booked my friend.

✓ 3. My friend had already booked the tickets.

✗ 4. My friend has already booked the tickets.

Q.18 Select the most appropriate option that can substitute the underlined words in the given sentence.
She has gone to the stationery store to buy a scissor.

Ans ✗ 1. buying a pair of scissors

✗ 2. buy a scissors

✓ 3. buy a pair of scissors

✗ 4. buy a pair of scissor

Q.19 Select the most appropriate synonym of the given word.

Prolific

Ans ✓ 1. Productive

✗ 2. Lazy

✗ 3. Unproductive

✗ 4. Unsuccessful

Q.20 Select the most appropriate synonym of the underlined word in the given sentence.
His <u>conceit</u> prevented him from accepting any criticism, even if it was meant to be constructive.

Ans ✗ 1. prejudice

✗ 2. modesty

✗ 3. cowardice

✓ 4. egotism

Question ID : **264330143146**
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.

Ancient coins are a fascinating (1)_____into the past, providing insight into the culture, economy and politics of ancient civilisations. Coins were first invented in the 7th century BCE, and the use of coins spread rapidly throughout the ancient world, and many civilisations minted their own unique coins with (2)_____ designs and symbols. One of the most significant aspects of ancient coins is the information they provide. Coins often bear the images and inscriptions of rulers, which can provide clues about their (3)_____ and the values they held. They can also reveal information about trade and commerce, as well as the materials and technology used in coin minting. The craftsmanship and attention to detail in these coins are a (4)_____ to the skill and creativity of ancient artists. While many ancient coins are now rare and valuable collector's items, they were once a common form of currency used in everyday transactions. Their ubiquity and durability have allowed them to survive for centuries, providing a window into the past for future generations to explore and (5)_____.

SubQuestion No : 21

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

Ans ✗ 1. interference

✗ 2. hint

✗ 3. divergence

✓ 4. glimpse

Question ID : **264330149792**
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.

Ancient coins are a fascinating (1)_____into the past, providing insight into the culture, economy and politics of ancient civilisations. Coins were first invented in the 7th century BCE, and the use of coins spread rapidly throughout the ancient world, and many civilisations minted their own unique coins with (2)_____ designs and symbols. One of the most significant aspects of ancient coins is the information they provide. Coins often bear the images and inscriptions of rulers, which can provide clues about their (3)_____ and the values they held. They can also reveal information about trade and commerce, as well as the materials and technology used in coin minting. The craftsmanship and attention to detail in these coins are a (4)_____ to the skill and creativity of ancient artists. While many ancient coins are now rare and valuable collector's items, they were once a common form of currency used in everyday transactions. Their ubiquity and durability have allowed them to survive for centuries, providing a window into the past for future generations to explore and (5)_____.

SubQuestion No : 22

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

Ans ✔ 1. intricate

✘ 2. casual

✘ 3. tangled

✘ 4. elementary

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.

Ancient coins are a fascinating (1)_____into the past, providing insight into the culture, economy and politics of ancient civilisations. Coins were first invented in the 7th century BCE, and the use of coins spread rapidly throughout the ancient world, and many civilisations minted their own unique coins with (2)_____ designs and symbols. One of the most significant aspects of ancient coins is the information they provide. Coins often bear the images and inscriptions of rulers, which can provide clues about their (3)_____ and the values they held. They can also reveal information about trade and commerce, as well as the materials and technology used in coin minting. The craftsmanship and attention to detail in these coins are a (4)_____ to the skill and creativity of ancient artists. While many ancient coins are now rare and valuable collector's items, they were once a common form of currency used in everyday transactions. Their ubiquity and durability have allowed them to survive for centuries, providing a window into the past for future generations to explore and (5)_____.

SubQuestion No : 23

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

Ans ✘ 1. nature

✔ 2. reign

✘ 3. performance

✘ 4. inactivity

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.

Ancient coins are a fascinating (1)_____into the past, providing insight into the culture, economy and politics of ancient civilisations. Coins were first invented in the 7th century BCE, and the use of coins spread rapidly throughout the ancient world, and many civilisations minted their own unique coins with (2)_____ designs and symbols. One of the most significant aspects of ancient coins is the information they provide. Coins often bear the images and inscriptions of rulers, which can provide clues about their (3)_____ and the values they held. They can also reveal information about trade and commerce, as well as the materials and technology used in coin minting. The craftsmanship and attention to detail in these coins are a (4)_____ to the skill and creativity of ancient artists. While many ancient coins are now rare and valuable collector's items, they were once a common form of currency used in everyday transactions. Their ubiquity and durability have allowed them to survive for centuries, providing a window into the past for future generations to explore and (5)_____.

SubQuestion No : 24

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

Ans ✗ 1. refusal

✗ 2. commitment

✗ 3. confusion

✓ 4. testament

Question ID : 264330149795
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.

Ancient coins are a fascinating (1)_____into the past, providing insight into the culture, economy and politics of ancient civilisations. Coins were first invented in the 7th century BCE, and the use of coins spread rapidly throughout the ancient world, and many civilisations minted their own unique coins with (2)_____ designs and symbols. One of the most significant aspects of ancient coins is the information they provide. Coins often bear the images and inscriptions of rulers, which can provide clues about their (3)_____ and the values they held. They can also reveal information about trade and commerce, as well as the materials and technology used in coin minting. The craftsmanship and attention to detail in these coins are a (4)_____ to the skill and creativity of ancient artists. While many ancient coins are now rare and valuable collector's items, they were once a common form of currency used in everyday transactions. Their ubiquity and durability have allowed them to survive for centuries, providing a window into the past for future generations to explore and (5)_____.

SubQuestion No : 25

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

Ans ✗ 1. replenish

✗ 2. worship

✗ 3. favour

✓ 4. appreciate

Question ID : 264330149796
Status : **Answered**
Chosen Option : **4**

Section : **General Intelligence**

Q.1 Select the number from among the given options that can replace the question mark (?) in the following series.

3, 6, 15, 42, 123, ?

Ans ✔ 1. 366

✘ 2. 362

✘ 3. 368

✘ 4. 365

Q.2 In a certain code language,

A + B means 'A is the daughter of B',

A − B means 'A is the brother of B',

A × B means 'A is the son of B' and

A ÷ B means 'A is the husband of B'.

Based on the above, how is M related to O if 'H ÷ O + A − M + N'?

Ans ✘ 1. Father's wife

✘ 2. Father's mother

✔ 3. Father's sister

✘ 4. Brother's mother

Q.3 What will come in the place of the question mark (?) in the following equation if '+' and '−' are interchanged and '×' and '÷' are interchanged?
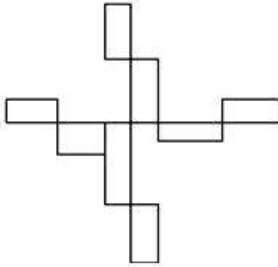
11 ÷ 42 × 3 − 69 + 25 = ?

Ans ✘ 1. 189

✘ 2. 210

✔ 3. 198

✘ 4. 205

Q.4 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

M

L v B 2 M 4 |

N

Ans
- ✓ 1. ⱯMS8vⱯ
- ✗ 2. Lv8ZWⱯ
- ✗ 3. Lv8ZMⱯ
- ✗ 4. ⱯMZ8vⱢ

Q.5 How many rectangles are there in the given figure?

Ans
- ✓ 1. 8
- ✗ 2. 9
- ✗ 3. 5
- ✗ 4. 7
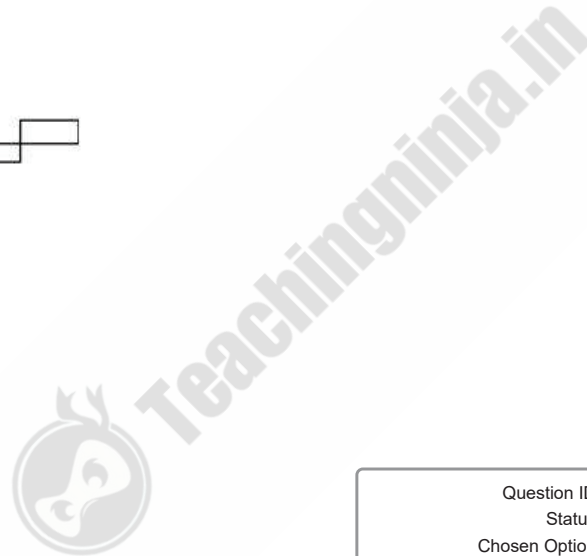
Q.6 Select the option that is related to the first term in the same way as the fourth term is related to the third term and the sixth term is related to the fifth term.

7 : ? :: 15 : 150 :: 18 : 234

Ans
- ✗ 1. 17
- ✗ 2. 12
- ✓ 3. 14
- ✗ 4. 15

Q.7 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the option in which the numbers are related in the same way as are the numbers of the following pairs.

(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.)

16, 107

12, 79

Ans ✗ 1. 8, 92

✗ 2. 11, 61

✓ 3. 9, 58

✗ 4. 15, 94

Q.8 What should come in place of X in the given series?

17 22 32 47 67 X

Ans ✗ 1. 95

✗ 2. 87

✓ 3. 92

✗ 4. 90

Q.9 In a certain code language, 'GRAB' is coded as '5401' and 'BANG' is coded as '9105'. What is the code for 'N' in the given code language?

Ans ✗ 1. 5

✓ 2. 9

✗ 3. 1

✗ 4. 0

Q.10 If 22 September 1982 is Wednesday, then what will be the day of the week on 7 December 1991?

Ans   ✗ 1. Friday

   ✓ 2. Saturday

   ✗ 3. Monday

   ✗ 4. Tuesday

Q.11 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

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

Contain : Hold

Ans   ✓ 1. Contrast : Disparity

   ✗ 2. Fool : Font

   ✗ 3. Blur : Boa

   ✗ 4. Fox : Foyer

Q.12 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 follow/s from the given statements.

Statements: All spoons are forks. Some forks are sticks. No stick is a knife.

Conclusion (I): Some knives are forks.

Conclusion (II): No stick is a spoon.

Ans   ✗ 1. Only conclusion II follows.

   ✗ 2. Both conclusions I and II follow.

   ✗ 3. Only conclusion I follows.

   ✓ 4. Neither conclusion I nor II follows.

Q.13 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 cars are yellow.
Some yellow are flowers.
Some flowers are brown.
Conclusions:
(I): Some yellow are brown.
(II): All yellow are cars.

Ans ✔ 1. Neither conclusion (I) nor (II) follows

✘ 2. Only conclusion (II) follows

✘ 3. Only conclusion (I) follows

✘ 4. Both conclusions (I) and (II) follow

Question ID : 264330152105
Status : **Answered**
Chosen Option : **1**

Q.14 Three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

Ans ✘ 1. BEF

✔ 2. SUV

✘ 3. KNO

✘ 4. XAB

Question ID : 264330147097
Status : **Answered**
Chosen Option : **2**

Q.15 Which term from among the given options can replace the question mark (?) in the following series to make it logically complete?

UC 169, WE 121, ?, AI 49, CK 25

Ans ✘ 1. YF 64

✘ 2. XH 81

✘ 3. XF 64

✔ 4. YG 81

Question ID : 264330146972
Status : **Answered**
Chosen Option : **4**

Q.16 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

IBTW, JCSV, ?, LEQT

Ans
  ✗ 1. JCCS

  ✗ 2. IBWP

  ✗ 3. KDTW

  ✔ 4. KDRU

Q.17 FK 19 is related to GM 22 in a certain way. In the same way, QB 13 is related to RD 16. To which of the following is NH 16 related following the same logic?

Ans
  ✗ 1. OI 20

  ✔ 2. OJ 19

  ✗ 3. PI 21

  ✗ 4. PJ 19

Q.18 Four triads of numbers have been given out of which three are alike in some manner and one is different. Select the one that is different.

(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. 14 – 44 – 29

  ✗ 2. 36 – 66 – 51

  ✔ 3. 29 – 44 – 14

  ✗ 4. 21 – 51 – 36

Q.19 What should come in place of ? in the given series?

28 31 36 39 44 ?

Ans
  ✗ 1. 49

  ✗ 2. 51

  ✗ 3. 48

  ✔ 4. 47

Q.20 Find the correct alternative that when filled in the blanks in the same sequence will make the series logically complete.

P_S_T_P__PT__T_P_S

Ans   ✗ 1. PTSPTSSPT

   ✗ 2. PPTSSTPST

   ✗ 3. TPSTPSTSS

   ✓ 4. TPSTSSPST

Q.21 In a certain code language, 'RANDOM' is coded as 'YWUZVT' and 'AMONG' is coded as 'HIVJN'. What is the code for 'POWERED' in the given code language?

Ans   ✓ 1. WKDAYAK
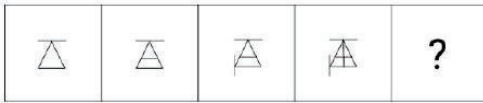
   ✗ 2. WDKAYAK

   ✗ 3. WKADYAK

   ✗ 4. WKDAAYK

Q.22 If 21 July 2000 is Friday, then what will be the day of the week on 15 July 2012?

Ans   ✓ 1. Sunday
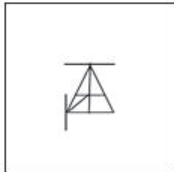
   ✗ 2. Monday

   ✗ 3. Saturday

   ✗ 4. Friday

Q.23 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

Ans

✗ 1.

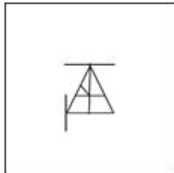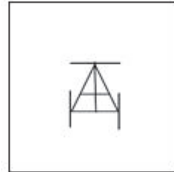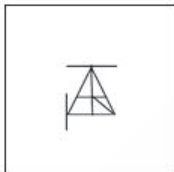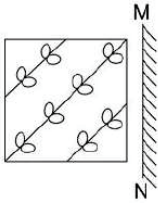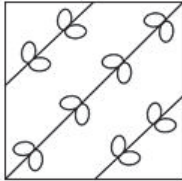✗ 2.

✔ 3.

✗ 4.

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

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.
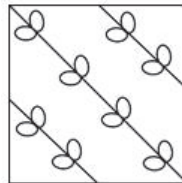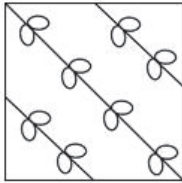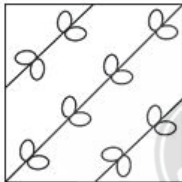
Q.25 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the one that is different.

(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.)

61 : 133

40 : 69

52 : 93

38 : 65

Ans ✗ 1. 52 : 93

✗ 2. 40 : 69

✗ 3. 38 : 65

✓ 4. 61 : 133

Section : **Quantitative Aptitude**

Q.1 If $a^2 + b^2 + c^2 = ab + bc + ca$, then the value of $\frac{11\,a^4 + 13\,b^4 + 15c^4}{16\,a^2b^2 + 19b^2c^2 + 17c^2a^2}$ is:

Ans ✗ 1. $1\frac{1}{3}$

✗ 2. $\frac{1}{4}$

✓ 3. $\frac{3}{4}$

✗ 4. $1\frac{3}{4}$

Q.2

The pie chart shows the cost of construction of a house . (in degrees)
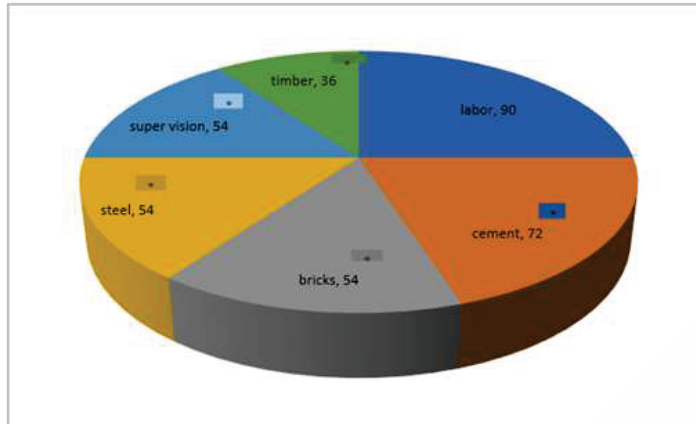
The amount spent on labour exceeds the amount spent on cement by:

Ans
✗ 1. 18% of the total cost

✓ 2. 5% of the total cost

✗ 3. 12% of the total cost

✗ 4. 10% of the total cost

Q.3 Find the length of a tangent drawn to a circle with radius 8 cm from a point 17 cm from the centre of the circle.

Ans
✗ 1. 14 cm

✗ 2. 12 cm

✓ 3. 15 cm

✗ 4. 10 cm

Q.4 The average of 18 integers is found to be 41. It was detected that by mistake the integer 127 was copied as 341, while calculating the average. Then the correct average is:

Ans

✗ 1. $23\frac{1}{7}$

✗ 2. $33\frac{1}{9}$

✓ 3. $29\frac{1}{9}$

✗ 4. $37\frac{1}{3}$

Question ID : **264330148392**
Status : **Answered**
Chosen Option : **3**

Q.5 Simplify:

$[\frac{1}{5}$ of (35-5) +4]^2 – [9 – {7 + (2 – 3)} + 5]^2

Ans ✗ 1. 100

✓ 2. 36

✗ 3. 25

✗ 4. 64

Question ID : **264330148409**
Status : **Answered**
Chosen Option : **2**

Q.6 On an item having a marked price of ₹1,600, successive discounts of y% and z% were offered. As a result, the item was sold for ₹1,056. Which of the options below CANNOT be a set of values for y and z?

Ans ✓ 1. y = 22, z = 15.5

✗ 2. y = 4, z = 31.25

✗ 3. y = 20, z = 17.5

✗ 4. y = 12, z = 25

Question ID : **264330146790**
Status : **Answered**
Chosen Option : **1**

Q.7 $Cos2\theta = $ _____.

Ans ✗ 1. $1 - 2\cos^2\theta$

✓ 2. $2\cos^2\theta - 1$

✗ 3. $2\sin^2\theta - 1$

✗ 4. $1 - \sin^2\theta$

Question ID : **264330147647**
Status : **Answered**
Chosen Option : **2**

Q.8 Simplify the expression:

$$(c + d)^2 - (c - d)^2$$

Ans ✓ 1. $4cd$

✗ 2. $(c^2 + d^2)$

✗ 3. $2(c^2 + d^2)$

✗ 4. $2cd$

Question ID : **264330150559**
Status : **Answered**
Chosen Option : **1**

Q.9 Aastha spends 15% of her total income on travelling and 20% of the rest income on food and then donates ₹380 and after that, she saves ₹2,000. Find her total income (in ₹).

Ans ✓ 1. 3,500

✗ 2. 3,650

✗ 3. 3,800

✗ 4. 3,600

Question ID : **264330148889**
Status : **Answered**
Chosen Option : **1**

Q.10 The lengths of the two sides of a triangle are 14 cm and 9 cm. Which of the options below can be the length of the third side?

Ans ✓ 1. 17 cm

✗ 2. 23 cm

✗ 3. 24 cm

✗ 4. 5 cm

Question ID : **264330146812**
Status : **Answered**
Chosen Option : **1**

Q.11 The marked price of a school bag was ₹550. This price was 10% above the cost price. It was sold at a discount of 10% on the marked price. Find the gain or loss percentage.

Ans   ✔ 1. Loss 1%

✘ 2. Loss 0.1%

✘ 3. Gain 0.1%

✘ 4. Gain 1%

Question ID : **264330148140**
Status : **Answered**
Chosen Option : **1**

Q.12 $Tan\,\Theta = \dfrac{3}{4}$, find the value of expression $\dfrac{1+Sin\theta}{1-Sin\theta}$:

Ans   ✔ 1. 4

✘ 2. 3

✘ 3. 8

✘ 4. 5

Question ID : **264330150799**
Status : **Answered**
Chosen Option : **1**

Q.13 What is the present value of ₹9,360 at an interest rate 20% at the end of two years compounded annually?

Ans   ✘ 1. ₹6,400

✘ 2. ₹6,450

✔ 3. ₹6,500

✘ 4. ₹6,550

Question ID : **264330148199**
Status : **Answered**
Chosen Option : **3**

Q.14 A shopkeeper marked the price 18% more than its cost price. If he allows a discount of 24%, then find his loss per cent.

Ans   ✘ 1. 16.43%

✘ 2. 15.75%

✔ 3. 10.32%

✘ 4. 12.25%

Question ID : **264330148039**
Status : **Answered**
Chosen Option : **3**

Q.15 One litre milk costs ₹40. Water is mixed with milk and the mixture was sold at ₹30 per litre. Find the ratio of water and milk in the mixture.

Ans
✗ 1. 2 : 5
✓ 2. 1 : 3
✗ 3. 1 : 2
✗ 4. 2 : 3

Q.16 Δ ABC is an equilateral triangle. The side BC is produced to point D. If A joines D and BC=CD, then the degree measure of angle CAD is equal to:

Ans
✓ 1. 30°
✗ 2. 15°
✗ 3. 45°
✗ 4. 18°

Q.17 Simplify the following:

$7(\cot 11° \cot 13° \cot 19° \cot 29° \cot 61° \cot 71° \cot 77° \cot 79°)$

Ans
✓ 1. 7
✗ 2. −7
✗ 3. −1
✗ 4. 1

Q.18 If $a + b + c = 13$ and $ab + bc + ca = 45$, find $a^2 + b^2 + c^2$.

Ans
✓ 1. 79
✗ 2. 65
✗ 3. 57
✗ 4. 85

Q.19 Study the following graph and answer the question given below:

In 1997, percentage of households using various household utilities in USA
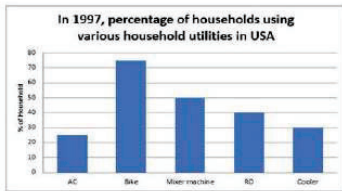
In 1997, if the total number of households was 830 million, then what would be the number of households (in million) having RO?

Ans ✔ 1. 332

✘ 2. 525

✘ 3. 209

✘ 4. 419

Question ID : **264330148048**
Status : **Answered**
Chosen Option : **1**

Q.20 The marked price of 85 items was equal to the cost price of 153 items. The selling price of 104 items was equal to the marked price of 65 items. Calculate the percentage profit or loss from the sale of each item.

Ans ✘ 1. 12.5% loss

✔ 2. 12.5% profit

✘ 3. 15% profit

✘ 4. 12.25% profit

Question ID : **264330146784**
Status : **Answered**
Chosen Option : **2**

Q.21 How long will it take for a sum of ₹450 to accumulate ₹81 in interest at a simple interest rate of 4.5% per annum ?

Ans ✘ 1. 4.5 years

✔ 2. 4 years

✘ 3. 3 years

✘ 4. 3.5 years

Question ID : **264330147864**
Status : **Answered**
Chosen Option : **2**

Q.22 The ratio of Ram's salary to Shyam's salary is 3 : 4. The ratio of Shyam's salary to Ghanshyam's salary is 5 : 6. What will be the ratio of Ram's salary to Ghanshyam's salary?

Ans ✗ 1. 3 : 5

✓ 2. 5 : 8

✗ 3. 4 : 5

✗ 4. 3 : 8

Q.23 The length, breath of a cuboidal box are 25 cm and 15 cm, respectively. If the volume of the box is 1875 cm³, then the height of the box (in cm) is:

Ans ✗ 1. 4.0

✓ 2. 5.0

✗ 3. 5.5

✗ 4. 4.5

Q.24 Study the given table and answer the question that follows.

The table indicates the number of students studying in three disciplines in four colleges.

Disciplines	Colleges			
	A	B	C	D
Mathematics	200	300	300	350
Statistics	250	320	400	250
Home Science	320	340	300	450

Which college has the maximum number of students in Statistics?

Ans ✗ 1. D

✗ 2. A

✓ 3. C

✗ 4. B

Q.25 In a circle, two chords AB and CD intersect each other internally at point P. If AB = 16 cm, PB = 6 cm and PD = 12 cm, then the value of PC (in cm) is equal to:

Ans ✗ 1. 3

✗ 2. 8

✗ 3. 6

✓ 4. 5

Section : **General Awareness**

Q.1 Which is the soft, malleable and silvery-yellow metal with atomic number 59 in the lanthanide series?

Ans ✗ 1. Neodymium

✔ 2. Praseodymium

✗ 3. Promethium

✗ 4. Gadolinium

Question ID : **264330145591**
Status : **Answered**
Chosen Option : **2**

Q.2 New Delhi is the headquarters of which railway zone?

Ans ✗ 1. Southern railway zone

✗ 2. Eastern railway zone

✗ 3. Central railway zone

✔ 4. Northern railway zone

Question ID : **264330152229**
Status : **Answered**
Chosen Option : **4**

Q.3 The 'Glide Technique' is used in which track and field event?

Ans ✗ 1. Pole Vault

✗ 2. 4×100 m Relay

✔ 3. Shot Put

✗ 4. Long Jump

Question ID : **264330145894**
Status : **Not Answered**
Chosen Option : **--**

Q.4 The division of cytoplasm is known as:

Ans ✗ 1. karyokinesis

✗ 2. cytoskeleton

✗ 3. cytosol

✔ 4. cytokinesis

Question ID : **264330145838**
Status : **Answered**
Chosen Option : **4**

Q.5 In which year did Nitu Ghanghas win India's first gold medal at the World Boxing Championships?

Ans
- ✗ 1. 2022
- ✗ 2. 2021
- ✗ 3. 2020
- ✔ 4. 2023

Question ID : **264330146277**
Status : **Answered**
Chosen Option : **1**

Q.6 In the Union Budget 2023-24, the Government of India has decided to establish 500 new waste-to-wealth plants under the _____ scheme.

Ans
- ✗ 1. Waste to Wonder
- ✗ 2. GOBAR se GARV
- ✔ 3. Gobardhan
- ✗ 4. Kachra se Khazana

Question ID : **264330145949**
Status : **Answered**
Chosen Option : **3**

Q.7 Article 1 of the Indian Constitution which states 'India, that is Bharat, shall be a Union of States', mentions which of the following features?

Ans
- ✗ 1. Independence of the Judiciary
- ✔ 2. Cooperative Federalism
- ✗ 3. Secularism
- ✗ 4. Parliamentary sovereignty

Question ID : **264330151226**
Status : **Answered**
Chosen Option : **2**

Q.8 Identify the correct statement/s regarding budgetary deficit?

i. Deficit acts as a flow that adds to the stock of the debt.

ii. Deficit acts as stock, which is independent of debt.

iii. Deficit acts as a burden on the future generation.

Ans ✗ 1. Only ii

✗ 2. Only i and ii

✗ 3. Only i

✓ 4. Only i and iii

Question ID : **264330146107**
Status : **Answered**
Chosen Option : **4**

Q.9 Sarhul is a famous tribal festival of dance in which state?

Ans ✗ 1. Assam

✗ 2. Sikkim

✓ 3. Jharkhand

✗ 4. Chhattisgarh

Question ID : **264330144745**
Status : **Answered**
Chosen Option : **4**

Q.10 Which telescope was invented by Isaac Newton in the 17th century by using a concave mirror to collect light instead of a simple lens which produces false colours due to the dispersion of light?

Ans ✓ 1. Reflecting telescope

✗ 2. Infrared telescope

✗ 3. Monocular telescope

✗ 4. Graphic telescope

Question ID : **264330145574**
Status : **Answered**
Chosen Option : **2**

Q.11 Gross Domestic Product less Depreciation is _____.

Ans ✗ 1. Gross Domestic Investment

✗ 2. Net National Product

✗ 3. Gross National Product

✓ 4. Net Domestic Product

Question ID : 264330145722
Status : **Answered**
Chosen Option : **4**

Q.12 In India which Act divided the powers between the Central and units in terms of three lists?

Ans ✗ 1. 1862

✗ 2. 1919

✗ 3. 1909

✓ 4. 1935

Question ID : 264330146540
Status : **Answered**
Chosen Option : **4**

Q.13 According to Census of India 2011, the top three most populated states are:

Ans ✗ 1. Uttar Pradesh, Bihar and Himanchal Pradesh

✗ 2. Uttar Pradesh, Bihar and Goa

✓ 3. Uttar Pradesh, Maharashtra and Bihar

✗ 4. West Bengal, Bihar and Andhra Pradesh

Question ID : 264330150326
Status : **Answered**
Chosen Option : **3**

Q.14 Of which of the following states is Jallikattu a famous bull-taming festival?

Ans ✗ 1. Karnataka

✗ 2. Kerala

✗ 3. Arunachal Pradesh

✓ 4. Tamil Nadu

Question ID : 264330151240
Status : **Answered**
Chosen Option : **4**

Q.15 Which river from the following flows through a rift valley?

Ans ✓ 1. Tapi

✗ 2. Brahmaputra

✗ 3. Sabarmati

✗ 4. Ganga

Question ID : **264330150260**
Status : **Answered**
Chosen Option : **2**

Q.16 Which tributary of the Indus River originates near the Rohtang Pass at an altitude of 4,000 metres above mean sea level?

Ans ✗ 1. Chenab

✗ 2. Musi

✓ 3. Beas

✗ 4. Indravati

Question ID : **264330152278**
Status : **Answered**
Chosen Option : **4**

Q.17 Which player scored the maximum runs in the 8th ICC Men's T20 World Cup held in October and November 2022?

Ans ✗ 1. Shikhar Dhawan

✗ 2. Rohit Sharma

✓ 3. Virat Kohli

✗ 4. Surya Kumar Yadav

Question ID : **264330152526**
Status : **Answered**
Chosen Option : **4**

Q.18 CBIC stands for _____.

Ans ✗ 1. Central Bureau of Investigation and Committee

✗ 2. Central Board on Issues Related to Caste

✗ 3. Central Board of Information and Communication

✓ 4. Central Board of Indirect Taxes and Customs

Question ID : **264330146104**
Status : **Answered**
Chosen Option : **4**

Q.19 Which of these is one of the functions of the Government budget?

Ans
✗ 1. Management of money supply

✗ 2. Maintaining strict budgetary balance

✓ 3. Redistribution of income and wealth

✗ 4. Price fixation

Question ID : **264330144668**
Status : **Answered**
Chosen Option : **3**

Q.20 The first battle of Panipat took place between Babur and _____.

Ans
✗ 1. Medini Rai

✗ 2. Sikandar Lodi

✓ 3. Ibrahim Lodi

✗ 4. Rana Sanga

Question ID : **264330148570**
Status : **Answered**
Chosen Option : **3**

Q.21 Defence Research Development Organisation (DRDO), which is under the Ministry of Defence, Government of India, was formed in the year _____.

Ans
✗ 1. 1948

✓ 2. 1958

✗ 3. 1975

✗ 4. 1981

Question ID : **264330150383**
Status : **Answered**
Chosen Option : **2**

Q.22 Who was popularly known as the 'father of civil services in India'?

Ans
✓ 1. Lord Cornwallis

✗ 2. William Bentinck

✗ 3. Lord Dalhousie

✗ 4. John Shore

Question ID : **264330150218**
Status : **Answered**
Chosen Option : **1**

Q.23 Kottakkal Nandakumaran Nair is a Sangeet Natak Akademi 2019 Awardee for his contribution to _____.

Ans ✗ 1. Bharatanatyam

✗ 2. Contemporary

✔ 3. Kathakali

✗ 4. Odissi

Question ID : **264330145799**
Status : **Answered**
Chosen Option : **3**

Q.24 Which musical instrument Dr A P J Abdul Kalam, former President of India, used to play?

Ans ✗ 1. Guitar

✗ 2. Sarod

✔ 3. Veena

✗ 4. Piano

Question ID : **264330144775**
Status : **Answered**
Chosen Option : **3**

Q.25 What is meant by subsistence agriculture?

Ans ✗ 1. Agricultural output is sufficient for the country.

✔ 2. Agriculturists produce primarily for themselves.

✗ 3. Agriculture generates sufficient income.

✗ 4. Agriculturists produce primarily for the market.

Question ID : **264330144730**
Status : **Answered**
Chosen Option : **2**