Combined Higher Secondary Level Examination 2023 Tier I

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Exam Date	11/08/2023
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2023 Tier I

Section : **English Language**

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

The poor undergoes several problems in life that could be solved with money.

Ans ✗ 1. that could be

✗ 2. several problems in life

✓ 3. The poor undergoes

✗ 4. solved with money

Question ID : **264330142560**
Status : **Answered**
Chosen Option : **1**

Q.2 **Select the most appropriate ANTONYM of the given word.**

Attract

Ans ✓ 1. Repel

✗ 2. Entice

✗ 3. Knock

✗ 4. Influence

Question ID : **264330144371**
Status : **Answered**
Chosen Option : **1**

Q.3 **Select the grammatically correct sentence.**

Ans ✗ 1. He ate the sweets greedy.

✓ 2. I could not find it anywhere.

✗ 3. I haven't got none.

✗ 4. He is much weak.

Question ID : **264330149685**
Status : **Answered**
Chosen Option : **2**

Q.4 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The road which <u>is joining</u> two villages is repaired by local authorities.

Ans ✗ 1. had joined

✗ 2. joined

✗ 3. join

✓ 4. joins

Question ID : **264330144230**
Status : **Answered**
Chosen Option : **4**

Q.5 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Can you please tell me where <u>is the city park</u>.

Ans ✓ 1. where the city park is?

✗ 2. where are city's park?

✗ 3. city park where?

✗ 4. where was the city park?

Question ID : **264330143163**
Status : **Answered**
Chosen Option : **1**

Q.6 Select the INCORRECTLY spelt word.

Ans ✓ 1. Laison

✗ 2. Lieutenant

✗ 3. Entrepreneur

✗ 4. Fluorescents

Question ID : **264330143156**
Status : **Answered**
Chosen Option : **1**

Q.7 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. with a supreme sense of rhythm and word appeal;
B. he was capable of writing angelic or weird poetry,
C. or the outlines of an unrelenting plot in a hard and dry style
D. yet he would write down a problem of morbid psychology

Ans ✗ 1. C, A, B, D

✗ 2. B, C, A, D

✓ 3. B, A, D, C

✗ 4. D, A, B, C

Question ID : **264330149586**
Status : **Answered**
Chosen Option : **3**

Q.8 Select the most appropriate ANTONYM of the given word.

Falter

Ans ✔ 1. Stabilise

✘ 2. Suspect

✘ 3. Haunt

✘ 4. Transfer

Question ID : **264330143981**

Status : **Answered**

Chosen Option : **1**

Q.9 Select the most appropriate ANTONYM of the underlined word in the given sentence.
It was difficult for her to <u>salvage</u> her reputation after the scam.

Ans ✘ 1. Claim

✘ 2. Recover

✔ 3. Damage

✘ 4. Rescue

Question ID : **264330143221**

Status : **Answered**

Chosen Option : **1**

Q.10 Select the most appropriate ANTONYM of the given word from the following sentence.

Allegation

The lawyer's cross-examination tactics were designed to elicit incriminating testimony from the witness.

Ans ✘ 1. Incriminating

✘ 2. Designed

✘ 3. Tactics

✔ 4. Testimony

Question ID : **264330149594**

Status : **Answered**

Chosen Option : **4**

Q.11 Select the most appropriate ANTONYM for 'copious' in the given sentence.

To be a successful writer, you need to have plenty of words; otherwise you will write a meagre novel which won't receive good response from the readers.

Ans ✘ 1. Successful

✘ 2. Plenty

✔ 3. Meagre

✘ 4. Response

Question ID : **264330144117**

Status : **Answered**

Chosen Option : **3**

Q.12 Parts of the following sentence have been given as options. Select the option that contains an error.

The lower strata are mostly not benifitted by the reign of monarchy.

Ans ✗ 1. monarchy

✗ 2. strata

✗ 3. reign

✓ 4. benifitted

Question ID : **264330144264**
Status : **Answered**
Chosen Option : **2**

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

I told Benny that <u>the die was cast</u>, and there was no further escape.

Ans ✗ 1. the course of action ended and it couldn't be restarted

✗ 2. the course of action would never begin

✓ 3. the course of action began and it could not be blocked

✗ 4. the course of action yet to start and it could be postponed

Question ID : **264330143992**
Status : **Answered**
Chosen Option : **1**

Q.14 Select the option that expresses the given sentence in passive voice.
The Indian army airlifted thousands of people from Ukraine.

Ans ✗ 1. Thousands of people had been airlifted from Ukraine by the Indian army.

✗ 2. Thousands of people have been airlifted from Ukraine by the Indian army.

✗ 3. Thousands of people are airlifted from Ukraine by the Indian army.

✓ 4. Thousands of people were airlifted from Ukraine by the Indian army.

Question ID : **264330150104**
Status : **Answered**
Chosen Option : **4**

Q.15 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 correction required'.

This hill <u>is a nice place to meditate</u> because one can enjoy solitude.

Ans ✗ 1. is a nice place to be meditation

✗ 2. is an excellent place to meditates

✓ 3. No correction required.

✗ 4. is a nasty place to meditate

Question ID : **264330144231**
Status : **Answered**
Chosen Option : **3**

Q.16 Select the most appropriate meaning of the given idiom.
Turn his hand to

Ans ✗ 1. To resolve

✗ 2. To adapt or apply to

✓ 3. To try new things

✗ 4. To try hard

Question ID : **264330147602**
Status : **Answered**
Chosen Option : **3**

Q.17 Select the option that expresses the given sentence in active voice.
By whom can the problem be solved?

Ans ✗ 1. Whom can solve the problem?

✗ 2. Who can solved the problem?

✗ 3. Whom can solved the problem?

✓ 4. Who can solve the problem?

Question ID : **264330144830**
Status : **Answered**
Chosen Option : **4**

Q.18 Select the option that can be used as a one-word substitute for the underlined segment.

The schedule was <u>capable of bending easily without breaking and able to be easily modified</u>.

Ans ✗ 1. adherent

✗ 2. inadaptable

✗ 3. versatile

✓ 4. flexible

Question ID : **264330149814**
Status : **Answered**
Chosen Option : **4**

Q.19 Select the ANTONYM of the word affable to fill in the blank.
We were entering the _____ territory.

Ans ✗ 1. aggravate

✗ 2. sardonic

✓ 3. hostile

✗ 4. amicable

Question ID : **264330149857**
Status : **Answered**
Chosen Option : **3**

Q.20 Sentences of a paragraph are given below in jumbled order. Select the option that arranges the sentences in the correct logical sequence to form a meaningful and coherent paragraph.
A. Our elders are like living libraries.
B. Next time you meet your grandparents ask them about their lifestyle.
C. Some of the tips may save you a run or two to the pharmacy.
D. Ask them what homemade remedies they use and what habits they follow.

Ans ✓ 1. B, D, C, A

✗ 2. C, A, B, D

✗ 3. A, D, B, C

✗ 4. D, C, B, A

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.
Daniel is worried lately. Usually, life is good for him. He (1)_____ a nice little shop where he sells souvenirs to tourists and lives in a nice cottage with his wife and their three teenage kids. They have a dog and a cat and a backyard (2)_____ barbeque. They host all the family (3)_____, and his wife's turkey is the best in the country. What can be better than that, right? But lately, not all is well. There are (4)_____ clouds in the sky and all they talk about is terror and war. They feel something may happen. The (5)_____ life as he knows may be lost forever.

SubQuestion No : 21

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

Ans ✗ 1. blackens

✓ 2. owns

✗ 3. allows

✗ 4. accepts

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.
Daniel is worried lately. Usually, life is good for him. He (1)_____ a nice little shop where he sells souvenirs to tourists and lives in a nice cottage with his wife and their three teenage kids. They have a dog and a cat and a backyard (2)_____ barbeque. They host all the family (3)_____, and his wife's turkey is the best in the country. What can be better than that, right? But lately, not all is well. There are (4)_____ clouds in the sky and all they talk about is terror and war. They feel something may happen. The (5)_____ life as he knows may be lost forever.

SubQuestion No : 22

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

Ans ✓ 1. for

✗ 2. during

✗ 3. from

✗ 4. under

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.

Daniel is worried lately. Usually, life is good for him. He (1)_____ a nice little shop where he sells souvenirs to tourists and lives in a nice cottage with his wife and their three teenage kids. They have a dog and a cat and a backyard (2)_____ barbeque. They host all the family (3)_____, and his wife's turkey is the best in the country. What can be better than that, right? But lately, not all is well. There are (4)_____ clouds in the sky and all they talk about is terror and war. They feel something may happen. The (5)_____ life as he knows may be lost forever.

SubQuestion No : 23

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

Ans ✗ 1. assemblies

    ✓ 2. gatherings

    ✗ 3. crowds

    ✗ 4. rallies

Question ID : **264330149512**
Status : **Answered**
Chosen Option : **2**

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.

Daniel is worried lately. Usually, life is good for him. He (1)_____ a nice little shop where he sells souvenirs to tourists and lives in a nice cottage with his wife and their three teenage kids. They have a dog and a cat and a backyard (2)_____ barbeque. They host all the family (3)_____, and his wife's turkey is the best in the country. What can be better than that, right? But lately, not all is well. There are (4)_____ clouds in the sky and all they talk about is terror and war. They feel something may happen. The (5)_____ life as he knows may be lost forever.

SubQuestion No : 24

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

Ans ✗ 1. opaque

    ✓ 2. dark

    ✗ 3. dire

    ✗ 4. shadow

Question ID : **264330149513**
Status : **Answered**
Chosen Option : **2**

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.

Daniel is worried lately. Usually, life is good for him. He (1)_____ a nice little shop where he sells souvenirs to tourists and lives in a nice cottage with his wife and their three teenage kids. They have a dog and a cat and a backyard (2)_____ barbeque. They host all the family (3)_____, and his wife's turkey is the best in the country. What can be better than that, right? But lately, not all is well. There are (4)_____ clouds in the sky and all they talk about is terror and war. They feel something may happen. The (5)_____ life as he knows may be lost forever.

SubQuestion No : 25

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

Ans ✗ 1. flush

✗ 2. agreeable

✗ 3. ease

✔ 4. comfortable

Question ID : **264330149514**
Status : **Answered**
Chosen Option : **4**

Section : **General Intelligence**

Q.1 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?

124 A 4 C 13 B 12 D 28 = ?

Ans ✗ 1. 162

✗ 2. 154

✗ 3. 161

✔ 4. 159

Question ID : **264330146432**
Status : **Answered**
Chosen Option : **4**

Q.2 What will come in the place of the question mark (?) in the following equation if '+' and '−' are interchanged and '×' and '÷' are interchanged?

84 × 7 − 21 ÷ 4 + 29 = ?

Ans ✗ 1. 55

✔ 2. 67

✗ 3. 59

✗ 4. 79

Question ID : **264330146399**
Status : **Answered**
Chosen Option : **2**

Q.3 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
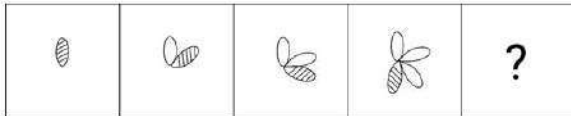
Ans ✗ 1. 153 – 17

✗ 2. 261 – 29

✓ 3. 94 – 11

✗ 4. 207 – 23

Question ID : **264330147374**
Status : **Answered**
Chosen Option : **3**

Q.4 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

40 : 300

27 : 196

(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. 55 : 400

✗ 2. 130 : 940

✓ 3. 200 : 1580

✗ 4. 25 : 140
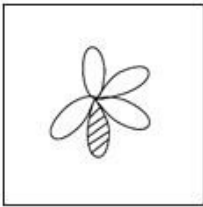
Question ID : **264330150865**
Status : **Answered**
Chosen Option : **3**

Q.5 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.
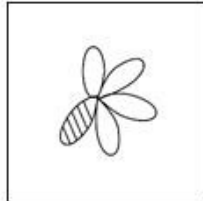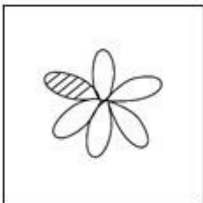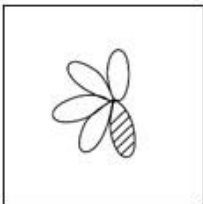

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.

Question ID : **264330147218**
Status : **Answered**
Chosen Option : **2**

Q.6 Which of the following four options will replace the question mark (?) in the following series?

48, 68, ?, 138, 188, 208

Ans ✔ 1. 118

✗ 2. 88

✗ 3. 128

✗ 4. 108

Question ID : **264330147123**
Status : **Answered**
Chosen Option : **1**

Q.7 P is the son of C. C is married to D. D is the sister of O. O is the daughter of M. X is the mother of C and married to W. How is P related to W?

Ans
✔ 1. Son's son

✘ 2. Brother's son

✘ 3. Sister's son

✘ 4. Daughter's son

Question ID : **264330146094**

Status : **Answered**

Chosen Option : **1**

Q.8 In a certain code language, 'FLASH' is coded as 'HNCUJ' and 'ENDOW' is coded as 'GPFQY'. What will be the code for 'DEBIT' in the given code language?

Ans
✘ 1. EHDLW

✘ 2. FHCLV

✘ 3. GHELW

✔ 4. FGDKV

Question ID : **264330147494**

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 movies are bottles.
Some bottles are steel.
All steel are cupboards.
Conclusions:
(I): Some movies are bottles.
(II): Some cupboards are steel.

Ans
✘ 1. Only conclusion (II) follows

✘ 2. Neither conclusion (I) nor (II) follows

✘ 3. Only conclusion (I) follows

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

Question ID : **264330152111**

Status : **Answered**

Chosen Option : **4**

Q.10 In a certain code language,
C + F means 'C is the father of F',
C – F means 'C is the sister of F',
C @ F means 'C is the brother of F',
C # F means 'C is the mother of F'.
If A # K + J @ T, then how is J related to A?

Ans ✗ 1. Brother

✗ 2. Son

✗ 3. Father's brother

✓ 4. Son's son

Q.11 What should come in place of ? in the given series?

3　6　11　18　27　?

Ans ✗ 1. 39

✗ 2. 36

✗ 3. 42

✓ 4. 38

Q.12 Four-letter clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

Ans ✗ 1. TVZB

✓ 2. OPRS

✗ 3. GIMO

✗ 4. JLPR

Q.13 If 20 June of a particular year falls on the 6th day after Tuesday, then what will be the day on 11 August of the same year?

Ans

✗ 1. Wednesday

✗ 2. Tuesday

✗ 3. Friday

✓ 4. Thursday

Question ID : **264330147457**
Status : **Answered**
Chosen Option : **4**

Q.14 BK 19 is related to DM 21 in a certain way. In the same way, RC 11 is related to TE 13. To which of the following is MJ 17 related following the same logic?

Ans

✗ 1. PL 19

✗ 2. NK 20

✓ 3. OL 19

✗ 4. OM 21

Question ID : **264330151981**
Status : **Answered**
Chosen Option : **3**

Q.15 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
Some stars are buttons.
No buttons are clips.
All buttons are ribbons.

Conclusions:
(I) Some stars are ribbons.
(II) Some ribbons are buttons.

Ans

✓ 1. Both conclusions (I) and (II) follow

✗ 2. Only conclusion (I) follows

✗ 3. Neither conclusion (I) nor (II) follows

✗ 4. Only conclusion (II) follows

Question ID : **264330146594**
Status : **Answered**
Chosen Option : **1**

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

DPMW, EOLX, FNKY, ?

Ans ✗ 1. DEWX

✗ 2. EMJX

✗ 3. GOKY

✔ 4. GMJZ

Question ID : **264330147053**
Status : **Answered**
Chosen Option : **4**

Q.17 9 is related to 80 following a certain logic. Following the same logic, 17 is related to 288. To which of the following is 23 related to, following the same logic?
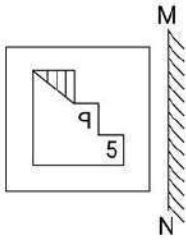
Ans ✗ 1. 527

✗ 2. 525

✗ 3. 526

✔ 4. 528

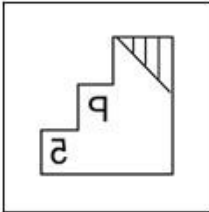Question ID : **264330147351**
Status : **Answered**
Chosen Option : **4**

Q.18 Select the correct mirror image of the given figure when the mirror is placed at MN as shown.
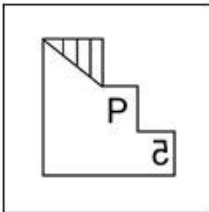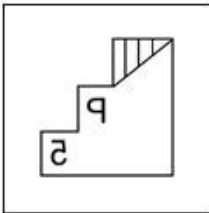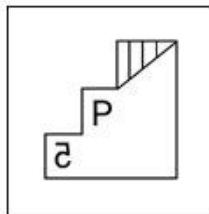

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : 264330146487
Status : **Answered**
Chosen Option : **4**

Q.19 Select the combination of letters which when sequentially placed in the blanks of the given series will complete the series.

TU_U_XWXT_TUWX_X
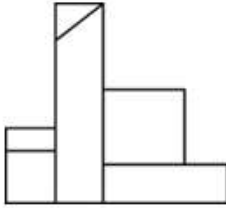
Ans ✗ 1. TUWW

✗ 2. TUTU

✗ 3. TWTW

✔ 4. TWUW

Question ID : 264330147100
Status : **Answered**
Chosen Option : **4**

Q.20 Identify the number of rectangles in the given figure.

Ans
- ✗ 1. 7
- ✗ 2. 5
- ✓ 3. 6
- ✗ 4. 4

Question ID : **264330151072**
Status : **Answered**
Chosen Option : **2**

Q.21 KQTO is related to MSVQ in a certain way based on the English alphabetical order. In the same way, PVYT is related to RXAV. To which of the following is UADY related to, following the same logic?

Ans
- ✗ 1. WCEA
- ✗ 2. VCEA
- ✗ 3. VBFZ
- ✓ 4. WCFA

Question ID : **264330147312**
Status : **Answered**
Chosen Option : **4**

Q.22 If 18 September 1998 is Friday, then what will be the day of the week on 15 September 2009?

Ans
- ✗ 1. Wednesday
- ✗ 2. Monday
- ✓ 3. Tuesday
- ✗ 4. Sunday

Question ID : **264330147177**
Status : **Answered**
Chosen Option : **3**

Q.23 What should come in place of ? in the given series?

33 35 39 41 45 ?

Ans
✔ 1. 47
✘ 2. 49
✘ 3. 51
✘ 4. 48

Q.24 In a certain code language, 'CRATE' is coded as '27934' and 'TRACK' is coded as '27694'. What is the code for 'E' in the given code language?

Ans
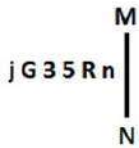✘ 1. 7
✘ 2. 4
✘ 3. 9
✔ 4. 3

Q.25 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

M

jG35Rn|

N

Ans
✘ 1. uЯƆƐ Gj
✔ 2. nЯƐ5 Gj
✘ 3. nЯ5ƐGj
✘ 4. nRƐƐGj

Section : **Quantitative Aptitude**

Q.1 A merchant increases the cost price of an item by 30% and offers a discount of 15% on this marked price. What is his profit percentage?

Ans
✔ 1. 10.5%

✘ 2. 8.2%

✘ 3. 9.5%

✘ 4. 11.4%

Question ID : **264330147922**

Status : **Answered**

Chosen Option : **1**

Q.2 The radius and slant height of a cone are in the ratio 5 : 7. If its curved surface area is 1347.5 cm^2, find its radius. (Use $\pi = \frac{22}{7}$)

Ans
✘ 1. 15 cm

✘ 2. 25.5 cm

✔ 3. 17.5 cm

✘ 4. 21 cm

Question ID : **264330148100**

Status : **Answered**

Chosen Option : **3**

Q.3 If $x^2 - 3.2\, x + 1 = 0$ and x > 1, the value of $\left(x^2 - \frac{1}{x^2}\right)$ is:

Ans
✘ 1. $16.8\sqrt{0.39}$

✔ 2. $12.8\sqrt{0.39}$

✘ 3. $16.8\sqrt{0.32}$

✘ 4. $12.8\sqrt{0.32}$

Question ID : **264330147812**

Status : **Answered**

Chosen Option : **2**

Q.4 A sum of ₹12,000 amounts to ₹15,000 in 5 years at the rate of simple interest. What is the rate of interest per annum?

Ans
✘ 1. 8%

✘ 2. 7%

✘ 3. 6%

✔ 4. 5%

Question ID : **264330151366**

Status : **Answered**

Chosen Option : **4**

Q.5 In an experiment, it was observed that metal A is 19 times heavier than water and metal B is 9 times heavier than water. In what ratio metal A and B mixed so that the mixture thus obtained be 15 times heavier than water?

Ans
✗ 1. $2 : 3$

✗ 2. $1 : 3$

✗ 3. $3 : 1$

✔ 4. $3 : 2$

Question ID : **264330150649**

Status : **Answered**

Chosen Option : **4**

Q.6 A dealer offers a discount of 10% on the marked price of an article and still makes a profit of 20%. If the cost price of the article is ₹540, then find the marked price (in ₹) of the article.

Ans
✗ 1. 810

✗ 2. 750

✔ 3. 720

✗ 4. 690

Question ID : **264330146789**

Status : **Answered**

Chosen Option : **3**

Q.7 It is given that $\triangle$ PQR $\cong$ $\triangle$ MNY and PQ = 8 cm, $\angle Q = 55°$ and $\angle P = 72°$. Which of the following is true?

Ans
✗ 1. $NY = 8$ cm, $\angle Y = 72°$

✗ 2. $NM = 8$ cm, $\angle M = 53°$

✔ 3. $NM = 8$ cm, $\angle Y = 53°$

✗ 4. $NY = 8$ cm, $\angle N = 55°$

Question ID : **264330151059**

Status : **Answered**

Chosen Option : **3**

Q.8 The following table gives the distribution of respondents' level of I.Q.

IQ	Percent
Extremely High	03.4
High	12.6
Moderate	67.1
Low	13.0
Very Low	03.9

The ratio of the number of respondents lies in high to the number of respondents lies in low is (if the total number of respondents is 208):

Ans
✔ 1. $63 : 65$

✗ 2. $45 : 31$

✗ 3. $27 : 26$

✗ 4. $53 : 44$

Question ID : **264330148894**

Status : **Answered**

Chosen Option : **1**

Q.9 If $\sin\theta = \frac{6}{10}$ and $\cos\theta = \frac{8}{10}$, then $\sin2\theta =$ _____.

Ans

✗ 1. $\frac{10}{8}$

✗ 2. $\frac{12}{10}$

✗ 3. $\frac{16}{10}$

✓ 4. $\frac{24}{25}$

Q.10 The total number of workers in a company is 960. If the number of female workers in the company is 420, then the respective ratio of the total number of male workers to the total number of female workers in the company is:

Ans

✗ 1. $7:9$

✗ 2. $16:9$

✗ 3. $16:7$

✓ 4. $9:7$

Q.11 The lengths of the two sides adjacent to the right angle of a right-angled triangle are 1.6 cm and 6.3 cm. Find the length of the hypotenuse.

Ans

✗ 1. 6.7 cm

✗ 2. 7.5 cm

✓ 3. 6.5 cm

✗ 4. 7 cm

Q.12 The total distance in a journey is 750 km. A bus travels the first 200 km at a speed of 40 kmph. Find the speed of the bus (in kmph) for the next 550 km such that the average speed of the bus is 50 kmph.

Ans

✓ 1. 55

✗ 2. 60

✗ 3. 45

✗ 4. 40

Q.13 If $x^2 + y^2 + z^2 = 2(x + z - 1)$, then the value of $x^3 + y^3 + z^3$ is equal to:

Ans ✗ 1. 6

    ✗ 2. 1

    ✔ 3. 2

    ✗ 4. 8

Question ID : 264330147848
Status : **Answered**
Chosen Option : **3**

Q.14 The area of a sector of a circle that subtends a 22.5° angle at the centre is given as 346.5 cm². What will be the radius (in cm) of the circle? [Use $\pi = \frac{22}{7}$]

Ans ✗ 1. 35

    ✗ 2. 45

    ✔ 3. 42

    ✗ 4. 48

Question ID : 264330146827
Status : **Answered**
Chosen Option : **3**

Q.15 If the radii of two circles are 7 cm and 4 cm and the length of the transverse common tangent is 13 cm, then the distance between the two centres is:

Ans ✔ 1. $\sqrt{290}$ cm

    ✗ 2. $\sqrt{190}$ cm

    ✗ 3. $\sqrt{128}$ cm

    ✗ 4. $\sqrt{240}$ cm

Question ID : 264330148022
Status : **Answered**
Chosen Option : **1**

Q.16 How much time (in minutes) will Nikhil take to cover 600 m, if he runs at a speed of 24 km/h?

Ans ✗ 1. 1.0

    ✔ 2. 1.5

    ✗ 3. 2.0

    ✗ 4. 2.5

Question ID : 264330150543
Status : **Answered**
Chosen Option : **2**

Q.17 A shopkeeper allows a 10% trade discount and a 10% cash discount. If the marked price is ₹1,000, then the selling price is:

Ans

✗ 1. ₹900

✗ 2. ₹850

✓ 3. ₹810

✗ 4. ₹920

Question ID : **264330147926**

Status : **Answered**

Chosen Option : **3**

Q.18 Let ABC be a triangle right angled at B. If $\tan A = \frac{12}{5}$, then find the values of cosec A and sec A, respectively.

Ans

✗ 1. $\frac{13}{10}, \frac{5}{13}$

✓ 2. $\frac{13}{12}, \frac{13}{5}$

✗ 3. $\frac{10}{13}, \frac{5}{13}$

✗ 4. $\frac{12}{13}, \frac{5}{13}$

Question ID : **264330149977**

Status : **Answered**

Chosen Option : **2**

Q.19 The table given below shows the production of bikes by a company during the second half of 2021.

Month Type	July	August	September	October	November	December
P	58	38	56	15	45	33
Q	89	46	45	26	36	40
R	54	64	76	80	54	41
S	72	53	65	37	21	44

In which month was the production of all types of bikes the lowest?

Ans

✗ 1. September

✗ 2. December

✓ 3. November

✗ 4. October

Question ID : **264330150938**

Status : **Answered**

Chosen Option : **3**

Q.20 If $4x^2 + y^2 = 40$ and $xy = 6$, then the value of $2x - y$ is:

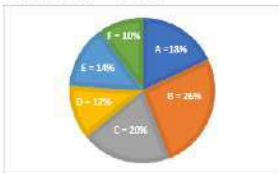Ans   ✗ 1. 1

   ✗ 2. 3

   ✓ 3. 4

   ✗ 4. 2

Q.21 Refer to the pie chart and table carefully and answer the given questions.
The Pie chart shows the percentage distributions of total number of laptops (both Dell and HP) sold by six stores in March.
Total number = 11200

Ratio of the numbers of Dell and HP sold	
Stores	Ratio
A	5 : 4
B	7 : 6
C	1 : 4
D	11 : 10
E	4 : 3
F	3 : 1

What is the average of Dell laptops sold by stores A, C, D and E together?

Ans   ✗ 1. 896

   ✗ 2. 280

   ✓ 3. 792

   ✗ 4. 448

Q.22 If $\cos\theta - \sin\theta = 0$, then $(\sin^8\theta + \cos^8\theta)$ is:

Ans   ✓ 1. $\dfrac{1}{8}$

   ✗ 2. $\dfrac{1}{4}$

   ✗ 3. $\dfrac{1}{6}$

   ✗ 4. $\dfrac{1}{2}$

Q.23 The population of a city increases compounded by 10% annually. The present population of this city is 1,33,100. What was the population of the city 2 years ago?

Ans

✗ 1. 1,01,000

✓ 2. 1,10,000

✗ 3. 1,21,000

✗ 4. 1,00,000

Question ID : **264330150573**

Status : **Answered**

Chosen Option : **2**

Q.24 Brijesh can complete a work in 4 days, Ashish in 5 days, and Anand in 10 days. What will be the time taken by Brijesh, Ashish, and Anand to complete the work together?

Ans

✓ 1. $1\frac{9}{11}$ days

✗ 2. 2 days

✗ 3. 1 day

✗ 4. $2\frac{9}{11}$ days

Question ID : **264330147904**

Status : **Answered**

Chosen Option : **1**

Q.25 A sold an item to B at a gain of 25% and B sold it to C at a loss of 10%. If C paid ₹6,520 for it, then the cost price of the item for A was:

Ans

✗ 1. $₹4,355\frac{4}{9}$

✗ 2. $₹6,125\frac{1}{9}$

✗ 3. $₹4,785\frac{4}{9}$

✓ 4. $₹5,795\frac{5}{9}$

Question ID : **264330147824**

Status : **Answered**

Chosen Option : **4**

Section : **General Awareness**

Q.1 What is the atomic number of Bohrium which is named after physicist Niels Bohr, one of the founders of quantum theory?

Ans
- ✗ 1. 117
- ✓ 2. 107
- ✗ 3. 113
- ✗ 4. 101

Question ID : **264330145595**
Status : **Answered**
Chosen Option : **2**

Q.2 Under the Koppen climate classification system, which climate zone is generally located on the western coasts of continents, receiving rainfall between 35 - 90 cm?

Ans
- ✓ 1. Mediterranean Climate
- ✗ 2. Humid Subtropical Climate
- ✗ 3. Subtropical Steppe Climate
- ✗ 4. Highland Climate

Question ID : **264330145635**
Status : **Not Answered**
Chosen Option : **--**

Q.3 The following represent the opportunity cost of holding money, EXCEPT:

Ans
- ✗ 1. loss of utility from goods that could have been purchased from the same amount of money
- ✗ 2. loss of interest earning on cash holdings
- ✗ 3. loss of purchasing power of money due to inflation
- ✓ 4. transaction cost in withdrawing money

Question ID : **264330144691**
Status : **Answered**
Chosen Option : **4**

Q.4 Which of the following is NOT a reason for excessive cold in north India?

Ans
- ✗ 1. Distance from sea
- ✗ 2. Cold winds from the Caspian Sea
- ✗ 3. Snowfall in the Himalayas
- ✓ 4. Equatorial current

Question ID : **264330149359**
Status : **Answered**
Chosen Option : **4**

Q.5 When camphor is heated, which of the following changes will take place?

Ans ✔ 1. Solid to gas

✘ 2. Solid to liquid to gas

✘ 3. Liquid to gas

✘ 4. Solid to liquid

Question ID : **264330145822**
Status : **Answered**
Chosen Option : **1**

Q.6 Who among the following personalities is associated with synthesising classical and modern Indian dance through a theatre group called Ranga Sri Little Ballet Troupe?

Ans ✘ 1. Guru Bipin Singh

✘ 2. Pandit Birju Maharaj

✔ 3. Shanti Bardhan

✘ 4. Remo Fernandes

Question ID : **264330151320**
Status : **Not Answered**
Chosen Option : **--**

Q.7 What is the distance between the hurdles in 100 m women's hurdles in metres?

Ans ✘ 1. 7.50

✘ 2. 9.00

✘ 3. 8.00

✔ 4. 8.50

Question ID : **264330145920**
Status : **Not Answered**
Chosen Option : **--**

Q.8 Which of the following Indian Para Canoeists won the bronze medal in the 2022 International Canoe Federation's Paracanoe World Cup?

Ans ✘ 1. Ramya Smruti

✘ 2. Sarita Rao

✔ 3. Prachi Yadav

✘ 4. Pranshi Rawal

Question ID : **264330145976**
Status : **Not Answered**
Chosen Option : **--**

Q.9 The threshold limit for total income eligible for rebate under Section 87A has been increased from ₹5,00,000 to ₹_____ for assesses opting for the new tax regime as per the Finance Bill 2023.

Ans ✔ 1. 7,00,000

✘ 2. 11,00,000

✘ 3. 8,00,000

✘ 4. 10,00,000

Question ID : **264330150053**
Status : **Answered**
Chosen Option : **1**

Q.10 Which of the following Commissions was appointed by Lord Curzon to enquire into the working of the police administration?

Ans ✘ 1. Kitchener Commission

✘ 2. Hunter Commission

✔ 3. Frazer Commission

✘ 4. MacDonnell Commission

Question ID : **264330148581**
Status : **Not Answered**
Chosen Option : **--**

Q.11 Which of the following is NOT a feature of fundamental duties mentioned in the Indian Constitution ?

Ans ✔ 1. There is a legal sanction against their violation.

✘ 2. They are civic duties.

✘ 3. They are part of the Indian tradition.

✘ 4. They are not sacrosanct or permanent.

Question ID : **264330145930**
Status : **Answered**
Chosen Option : **4**

Q.12 Name the Indian who won the title at World Chess Armageddon Asia & Oceania event in Berlin, Germany in April 2023.

Ans ✘ 1. Abhimanyu Mishra

✘ 2. R Praggnanandhaa

✘ 3. Nihal Sarin

✔ 4. D Gukesh

Question ID : **264330146281**
Status : **Answered**
Chosen Option : **1**

Q.13 Under the current regulatory framework, what is the maximum tenure of a microfinance loan in India?

Ans
- ✗ 1. 24 months
- ✗ 2. 12 months
- ✗ 3. 18 months
- ✔ 4. 36 months

Question ID : **264330145747**

Status : **Not Answered**

Chosen Option : **--**

Q.14 Which of the following states has the highest poverty rate in India, according to the Multidimensional Poverty Index (MPI) 2021?

Ans
- ✗ 1. Madhya Pradesh
- ✗ 2. Jharkhand
- ✗ 3. Uttar Pradesh
- ✔ 4. Bihar

Question ID : **264330150288**

Status : **Answered**

Chosen Option : **4**

Q.15 Who among the following singers became the first Indian folk artist to attend the Cannes Film Festival 2022?

Ans
- ✗ 1. Gurudas Man
- ✗ 2. Daler Mehendi
- ✗ 3. Teejan Bai
- ✔ 4. Mame Khan

Question ID : **264330145794**

Status : **Not Answered**

Chosen Option : **--**

Q.16 Which of the following is India's first all-women-managed railway station?

Ans
- ✗ 1. Chennai Egmore Railway Station, Chennai
- ✔ 2. Gandhinagar Railway Station, Jaipur
- ✗ 3. Trivandrum Central Railway Station, Thiruvananthapuram
- ✗ 4. Matunga Railway Station, Mumbai

Question ID : **264330155079**

Status : **Not Answered**

Chosen Option : **--**

Q.17 Which of the following personalities is a well-known Indian plant physiologist and physicist?

Ans
✔ 1. JC Bose
✘ 2. CV Raman
✘ 3. CNR Rao
✘ 4. JRD Tata

Question ID : **264330150393**
Status : **Answered**
Chosen Option : **1**

Q.18 In the Indian Constitution which of the following Articles deals with the right to move to the Supreme Court for enforcement of Fundamental rights ?

Ans
✘ 1. Article 30
✔ 2. Article 32
✘ 3. Article 33
✘ 4. Article 31

Question ID : **264330146554**
Status : **Answered**
Chosen Option : **2**

Q.19 Kamsale is the folk dance of which of the following Indian states?

Ans
✘ 1. Jharkhand
✔ 2. Karnataka
✘ 3. Kerala
✘ 4. Bihar

Question ID : **264330145768**
Status : **Answered**
Chosen Option : **1**

Q.20 Which of the following was NOT a goal of the Five-Year Plans?

Ans
✘ 1. Self-reliance
✘ 2. Equity
✘ 3. Growth
✔ 4. Security

Question ID : **264330146132**
Status : **Answered**
Chosen Option : **4**

Q.21 Ambubachi fair is held every year in which of the following states?

Ans
- ✗ 1. Manipur
- ✗ 2. Arunachal Pradesh
- ✗ 3. Nagaland
- ✓ 4. Assam

Question ID : **264330148654**

Status : **Answered**

Chosen Option : **4**

Q.22 Which of the following is NOT a primary function of commercial banks?

Ans
- ✓ 1. Transfer of funds
- ✗ 2. Creation of credit
- ✗ 3. Lending loans to the public
- ✗ 4. Receiving deposits from the public

Question ID : **264330151268**

Status : **Answered**

Chosen Option : **1**

Q.23 Which biosphere was declared as India's 16th Biosphere Reserve in 2009, noted for the conservation of Red Fox, Blue Rock Pigeon and Lammergeier?

Ans
- ✓ 1. Cold Desert
- ✗ 2. Seshachalam
- ✗ 3. Agasthyamalai
- ✗ 4. Dehang Debang

Question ID : **264330145627**

Status : **Answered**

Chosen Option : **3**

Q.24 What is the basic difference in the aggregates at market price and factor cost?

Ans
- ✗ 1. Depreciation
- ✗ 2. Indirect taxes
- ✓ 3. Net indirect taxes
- ✗ 4. Direct taxes

Question ID : **264330145727**

Status : **Answered**

Chosen Option : **1**

Q.25 Who was the first to mention the incident of Jauhar in Persian?

Ans
  ✘ 1. Ibn Batutah

  ✔ 2. Amir Khusrau

  ✘ 3. Ziauddin Barani

  ✘ 4. Hasan Nizami