Combined Higher Secondary Level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	17/08/2023
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2023 Tier I

Section : **English Language**

Q.1 **Select the most appropriate synonym of the given word.**
Dynamic

Ans ✗ 1. Famous

✗ 2. Halt

✗ 3. Innate

✓ 4. Energetic

Question ID : **264330143647**
Status : **Answered**
Chosen Option : **4**

Q.2 **Choose the correct meaning of the underlined word in the given sentence.**
The museum's __archive__ is a great place to find valuable artifacts such as ancient manuscripts.

Ans ✗ 1. A collection of essays

✗ 2. A room to store lots of books

✗ 3. A room to store important official documents

✓ 4. A collection of historical documents or records

Question ID : **264330149743**
Status : **Answered**
Chosen Option : **4**

Q.3 **Select the most appropriate ANTONYM of the given word.**

Guile

Ans ✗ 1. Deceit

✗ 2. Treachery

✓ 3. Honesty

✗ 4. Terseness

Question ID : **264330148915**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **Select the most appropriate homophone to fill in the blank.**

Ants _____food during the summer and save it for winter.

Ans ✗ 1. horde

✓ 2. hoard

✗ 3. heard

✗ 4. herd

Question ID : **264330142646**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **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.**

A owl was / hooting throughout / the night.

Ans ✓ 1. A owl was

✗ 2. the night

✗ 3. No error

✗ 4. hooting throughout

Question ID : **264330148955**
Status : **Answered**
Chosen Option : **1**

Q.6 **Select the option that can be used as a one-word substitute for the given group of words.**
One who studies the evolution of mankind

Ans ✗ 1. Anarchist

✗ 2. Amateur

✓ 3. Anthropologist

✗ 4. Antagonist

Question ID : **264330143204**
Status : **Answered**
Chosen Option : **3**

Q.7 **Select the most appropriate ANTONYM for 'redeem' in the given sentence.**

Shantanu violated the rules of the college when he started screaming and shouting in the premises.

Ans ✗ 1. Screaming

✓ 2. Violated

✗ 3. Premises

✗ 4. Shouting

Question ID : **264330144115**
Status : **Not Answered**
Chosen Option : **--**

Q.8 Select the option that can be used as a one-word substitute for the given group of words.

Something to be easily carried or moved

Ans ✗ 1. Robust

✗ 2. Stagnant

✓ 3. Portable

✗ 4. Fragile

Question ID : **264330143970**
Status : **Answered**
Chosen Option : **3**

Q.9 Select the option that can be used as a one-word substitute for the given group of words.
An imagined place or state of things in which everything is perfect

Ans ✗ 1. Dwarf

✓ 2. Utopia

✗ 3. Chronology

✗ 4. Octogenarian

Question ID : **264330143062**
Status : **Answered**
Chosen Option : **2**

Q.10 Select the option that can be used as a one-word substitute for the given group of words.
Poor physical or mental condition.

Ans ✗ 1. Ill nature

✗ 2. Illicit

✗ 3. Ill-fated

✓ 4. Ill health

Question ID : **264330143636**
Status : **Answered**
Chosen Option : **4**

Q.11 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
They were laid / in the sun / the entire morning / till Sudharshan came.

Ans ✗ 1. till Sudharshan came

✓ 2. They were laid

✗ 3. the entire morning

✗ 4. in the sun

Question ID : **264330149473**
Status : **Answered**
Chosen Option : **4**

Q.12 Select the correct spelling of the underlined word in the given sentence.
The feeling of weightlessness while skydiving is known to <u>exilarete</u> many people.

Ans ✗ 1. exilairate

✗ 2. exhilarete

✗ 3. exilarate

✓ 4. exhilarate

Question ID : **264330143159**
Status : **Answered**
Chosen Option : **4**

Q.13 Select the option that expresses the given sentence in active voice.
I was never supported by my family.

Ans ✗ 1. My family have never supported me.

✗ 2. My family had never supported me.

✓ 3. My family never supported me.

✗ 4. My family never supports me.

Question ID : **264330150107**
Status : **Answered**
Chosen Option : **2**

Q.14 The following sentence has been split into four segments. Identify the segment that contains a spelling error.

The famous author / clearly mentioned / all the names of his friends / in the acknolledgments of the book.

Ans ✓ 1. in the acknolledgments of the book

✗ 2. The famous author

✗ 3. clearly mentioned

✗ 4. all the names of his friends

Question ID : **264330143192**
Status : **Answered**
Chosen Option : **4**

Q.15 Select the most appropriate ANTONYM of the given word.

Mean

Ans ✗ 1. Minute

✓ 2. Noble

✗ 3. Notorious

✗ 4. Novel

Question ID : **264330143179**
Status : **Answered**
Chosen Option : **1**

Q.16 Select the most appropriate idiom for the underlined segment in the following sentence.

Nitish's promotion is <u>due</u>.

Ans ✔ 1. On the cards

✗ 2. Not worth his salt

✗ 3. With due respect

✗ 4. Done to death

Question ID : **264330149553**
Status : **Answered**
Chosen Option : **1**

Q.17 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) in social evolution by imitation
B) by reason of its higher standard of living
C) the royal style is the agent
D) and cultural patterns are similarly transmitted by the dominant caste

Ans ✗ 1. C, D, A, B

✔ 2. C, A, D, B

✗ 3. B, C, D, A

✗ 4. B, A, C, D

Question ID : **264330149539**
Status : **Answered**
Chosen Option : **1**

Q.18 Select the option that expresses the following sentence in passive voice.

An agitated gathering of workers in the company disturbed the meeting.

Ans ✗ 1. Meeting of the company was disturbed.

✗ 2. An agitated meeting of workers in the company disturbed the gathering.

✔ 3. The meeting was disturbed by an agitated gathering of workers in the company.

✗ 4. The gathering agitated the meeting of the company.

Question ID : **264330148719**
Status : **Answered**
Chosen Option : **3**

Q.19 Select the most appropriate meaning of the given idiom.
Costs an arm and a leg

Ans ✗ 1. To be affordable

✗ 2. To be moderately priced

✗ 3. To be free of charge

✔ 4. To be very expensive

Question ID : **264330143944**
Status : **Answered**
Chosen Option : **4**

Q.20 Select the most appropriate option to fill in the blank.
The _____ of the company's CEO was widely praised for her innovative leadership.

Ans ✗ 1. rein

✗ 2. rayne

✗ 3. rain

✓ 4. reign

Question ID : **264330143962**
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.

Globalisation is not a new 1_____. Traders travelled vast distances in ancient times to buy commodities that were 2_____ and expensive for sale in their homelands. The Industrial Revolution brought 3_____ in transportation and communication in the 19th century that eased trade across borders. The think tank, Peterson Institute for International Economics (PIIE), states globalisation 4_____ after World War I and nations moved toward 5_____ as they launched import taxes to more closely guard their industries in the aftermath of the conflict.

SubQuestion No : 21

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

Ans ✗ 1. power

✗ 2. variation

✗ 3. design

✓ 4. concept

Question ID : **264330149491**
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.

Globalisation is not a new 1_____. Traders travelled vast distances in ancient times to buy commodities that were 2_____ and expensive for sale in their homelands. The Industrial Revolution brought 3_____ in transportation and communication in the 19th century that eased trade across borders. The think tank, Peterson Institute for International Economics (PIIE), states globalisation 4_____ after World War I and nations moved toward 5_____ as they launched import taxes to more closely guard their industries in the aftermath of the conflict.

SubQuestion No : 22

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

Ans ✗ 1. plentiful

✗ 2. common

✗ 3. preserved

✓ 4. rare

Question ID : **264330149492**
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.

Globalisation is not a new 1_____. Traders travelled vast distances in ancient times to buy commodities that were 2_____ and expensive for sale in their homelands. The Industrial Revolution brought 3_____ in transportation and communication in the 19th century that eased trade across borders. The think tank, Peterson Institute for International Economics (PIIE), states globalisation 4_____ after World War I and nations moved toward 5_____ as they launched import taxes to more closely guard their industries in the aftermath of the conflict.

SubQuestion No : 23

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

Ans ✗ 1. chaos

✓ 2. advances

✗ 3. issues

✗ 4. a decline

Question ID : **264330149493**
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.

Globalisation is not a new 1_____. Traders travelled vast distances in ancient times to buy commodities that were 2_____ and expensive for sale in their homelands. The Industrial Revolution brought 3_____ in transportation and communication in the 19th century that eased trade across borders. The think tank, Peterson Institute for International Economics (PIIE), states globalisation 4_____ after World War I and nations moved toward 5_____ as they launched import taxes to more closely guard their industries in the aftermath of the conflict.

SubQuestion No : 24

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

Ans ✗ 1. trooped

✗ 2. soared

✗ 3. de-escalated

✓ 4. stalled

Question ID : **264330149494**
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.

Globalisation is not a new 1_____. Traders travelled vast distances in ancient times to buy commodities that were 2_____ and expensive for sale in their homelands. The Industrial Revolution brought 3_____ in transportation and communication in the 19th century that eased trade across borders. The think tank, Peterson Institute for International Economics (PIIE), states globalisation 4_____ after World War I and nations moved toward 5_____ as they launched import taxes to more closely guard their industries in the aftermath of the conflict.

SubQuestion No : 25

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

Ans ✔ 1. protectionism

✗ 2. integration

✗ 3. liberalisation

✗ 4. diversification
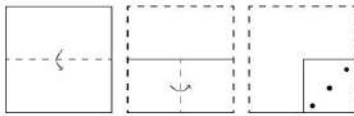
Question ID : **264330149495**
Status : **Answered**
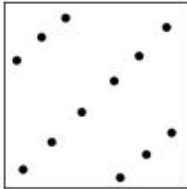Chosen Option : **3**

Section : **General Intelligence**

Q.1 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the end. How would the paper look when unfolded?
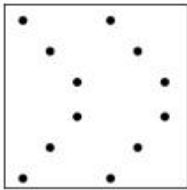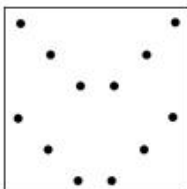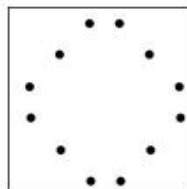

Ans

1. ✗

2. ✗

3. ✗

4. ✔

Question ID : **264330147039**
Status : **Answered**
Chosen Option : **3**

Q.2 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 houses are trees.
All flowers are houses.
No vegetable is a flower.

Conclusions:

(I) Some vegetables are houses is a possibility.
(II) Some flowers are trees is a possibility.
(III) No vegetable is a house.

Ans

1. ✗ Both conclusions II and III follow

2. ✗ Only conclusion II follows

3. ✔ Both conclusions I and II follow

4. ✗ Only conclusion III follows

Question ID : **264330147463**
Status : **Answered**
Chosen Option : **2**

Q.3 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?

4 B 18 D 5 C 9 A 9 = ?

Ans ✗ 1. 88

✗ 2. 58

✗ 3. 78

✓ 4. 68

Question ID : 264330147397
Status : **Answered**
Chosen Option : **4**

Q.4 What will come in the place of '?' in the following equation, if '+' and '−' are interchanged with '+' and '×', respectively ?

88 + 8 − 17 × 16 + 40 = ?

Ans ✗ 1. 203

✗ 2. 197

✗ 3. 200

✓ 4. 211

Question ID : 264330152185
Status : **Answered**
Chosen Option : **4**

Q.5 In a certain code language, 'BALD' is coded as '7680' and 'DRAB' is coded as '8097'. What is the code for 'L' in the given code language?

Ans ✗ 1. 8

✓ 2. 6

✗ 3. 0

✗ 4. 7

Question ID : 264330146583
Status : **Answered**
Chosen Option : **1**

Q.6 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

A_DE   FGI_   _LNO   PQ_T   UV_Y

Ans ✗ 1. CJKSX

✗ 2. CJKRW

✗ 3. BJKRW

✓ 4. BJKSX

Question ID : 264330146867
Status : **Answered**
Chosen Option : **3**

Q.7 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 as meaningful English words and must not be related to each other based on the number of letters/consonants/vowels in the word.)
Heat : Cold

Ans ✗ 1. Encourage : Motivate

✗ 2. Compete : Success

✗ 3. Sustain : Persist

✓ 4. Demolish : Build

Question ID : 264330150984
Status : **Answered**
Chosen Option : **4**

Q.8 RSPT is related to VWTX in a certain way based on the English alphabetical order. In the same way, MNKO is related to QROS. Which of the following is GHEI related to, following the same logic?

Ans ✗ 1. KLHI

✗ 2. KLJM

✓ 3. KLIM

✗ 4. JKHL

Question ID : 264330150977
Status : **Answered**
Chosen Option : **3**

Q.9 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. 2 – 6

✗ 2. 4 – 20

✗ 3. 5 – 30

✓ 4. 8 – 75

Question ID : 264330152057
Status : **Answered**
Chosen Option : **4**

Q.10 In a certain code language, 'QUEZAL' is coded as '82' and 'LUCKY' is coded as '72'. What is the code for 'ADVERSE' in the given code language?

Ans ✗ 1. 68

✗ 2. 78

✓ 3. 74

✗ 4. 62

Question ID : 264330147403
Status : **Answered**
Chosen Option : **3**

Q.11 GIEK is related to OQMS in a certain way based on the English alphabetical order. In the same way, KMIO is related to SUQW. To which of the following is EGCI related to, following the same logic?

Ans

✗ 1. MQOK

✓ 2. MOKQ

✗ 3. PRNT

✗ 4. UWSY

Question ID : **264330147277**
Status : **Not Answered**
Chosen Option : **--**

Q.12 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. 5 : 20

✗ 2. 4 : 12

✗ 3. 7 : 42

✓ 4. 6 : 36

Question ID : **264330147128**
Status : **Answered**
Chosen Option : **4**

Q.13 Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which of the following does NOT belong to that group?

Ans

✗ 1. WZB

✓ 2. UWX

✗ 3. ORT

✗ 4. GJL

Question ID : **264330146961**
Status : **Answered**
Chosen Option : **2**

Q.14 In a certain code language,

A + B means 'A is the sister of B'

A – B means 'A is the husband of B'

A × B means 'A is the son of B'

A ÷ B means 'A is the mother of B'

Based on the above, how is F related to J if 'F × G – H ÷ I + J'?

Ans
✔ 1. Brother
✘ 2. Mother's brother
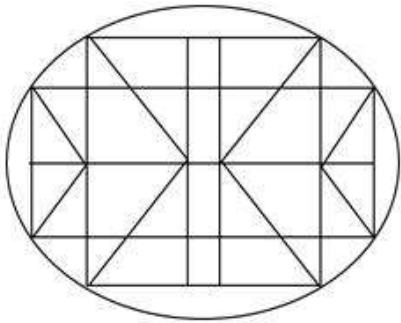✘ 3. Father
✘ 4. Father's brother

Question ID : **264330152009**
Status : **Not Answered**
Chosen Option : **--**

Q.15 If 9 July 1978 is Sunday, then what will be the day of the week on 19 September 1983?

Ans
✔ 1. Monday
✘ 2. Friday
✘ 3. Tuesday
✘ 4. Sunday

Question ID : **264330146645**
Status : **Not Answered**
Chosen Option : **--**

Q.16 How many triangles are there in the given figure?

Ans ✘ 1. 24

✔ 2. 28

✘ 3. 22

✘ 4. 30

Question ID : **264330146926**
Status : **Not Answered**
Chosen Option : **--**

Q.17 N is the brother of X. X is the wife of M. S is the daughter of M. K is the brother of S. P is the mother of N. How is K related to P?

Ans ✘ 1. Son's Son

✔ 2. Daughter's son

✘ 3. Mother's brother

✘ 4. Sister's Son

Question ID : **264330147289**
Status : **Not Answered**
Chosen Option : **--**

Q.18 What should come in place of X in the given series?

23 31 47 71 103 X

Ans ✘ 1. 153

✘ 2. 147

✘ 3. 150

✔ 4. 143

Question ID : **264330152160**
Status : **Answered**
Chosen Option : **4**

Q.19 Select the number from among the given options that can replace the question mark (?) in the following series.

136, 135, 137, 136, 138, 137, ?

Ans ✗ 1. 136

✗ 2. 140

✗ 3. 138

✓ 4. 139

Question ID : **264330146891**
Status : **Answered**
Chosen Option : **4**

Q.20 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into 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.)

(15, 96)

(35, 216)

Ans ✗ 1. (41, 250)

✗ 2. (18, 102)

✓ 3. (29, 180)

✗ 4. (21, 122)

Question ID : **264330147004**
Status : **Answered**
Chosen Option : **3**

Q.21 The position of how many letters will remain unchanged if each of the letter in the word 'ACQUIRE' is arranged in alphabetical order?
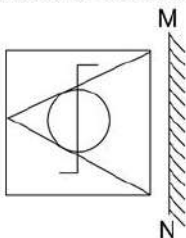
Ans ✓ 1. Three

✗ 2. Four

✗ 3. Two

✗ 4. One

Question ID : **264330147079**
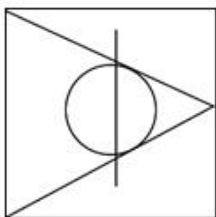Status : **Answered**
Chosen Option : **4**

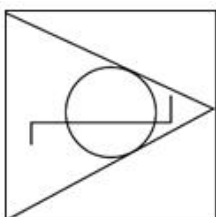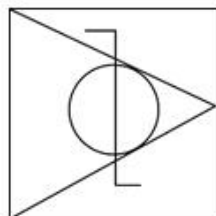**Q.22** Select the correct mirror image of the given figure when the mirror is placed at MN as shown.

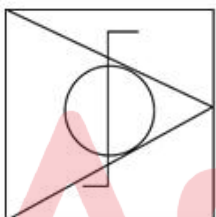**Ans**

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Question ID : **264330146475**
Status : **Answered**
Chosen Option : **3**

Q.23 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.
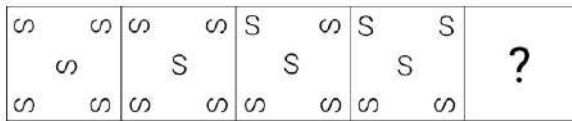
A_CD_CDAC_AB_ABC

Ans ✗ 1. AACD

✗ 2. AABB

✔ 3. BBDD

✗ 4. BDBD

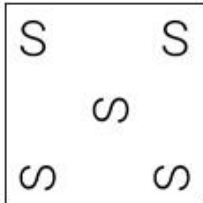Question ID : **264330147055**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

S S	S S	S S	S S	?

Ans

✗ 1.

S   S
    S
S   S

✗ 2.

S   S
    S
S   S

✗ 3.

S   S
    S
S   S

✓ 4.

S   S
    S
S   S
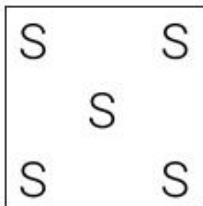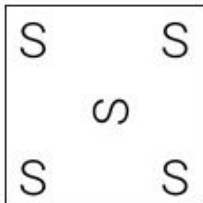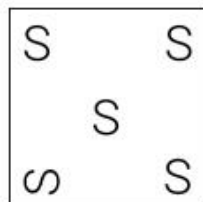
Q.25 Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g., 13—Operations on 13 such as adding/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.)

11 : 87 : 34
6 : 28 : 8

Ans   ✗ 1. 9 : 25 : 54

✗ 2. 7 : 35 : 12

✗ 3. 8 : 19 : 47

✓ 4. 12 : 81 : 63

Section : **Quantitative Aptitude**

Q.1 Directions: The table below shows the laptop sold on different days by different wholesalers. Study the table and answer the questions that follow.

	Monday	Tuesday	Wednesday	Thursday	Friday
Wholesaler 1	22	20	14	24	10
Wholesaler 2	46	45	06	14	8
Wholesaler 3	18	40	07	15	19
Wholesaler 4	23	30	32	06	26

Laptop sold by wholesaler 1 and wholesaler 2 together on Thursday is what per cent of laptop sold by wholesalers 3 on Friday?

Ans
✔ 1. 200%

✘ 2. 150%

✘ 3. 100%

✘ 4. 50%

Question ID : **264330148858**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Find the area of a right-angled triangle whose base is 12 cm and hypotenuse is 13 cm.

Ans
✔ 1. 30 cm^2

✘ 2. 55 cm^2

✘ 3. 65 cm^2

✘ 4. 22 cm^2

Question ID : **264330148152**
Status : **Answered**
Chosen Option : **1**

Q.3 Find the value of $\tan(50+\theta) - \cot(40-\theta)$.

Ans
✘ 1. $\frac{1}{2}$

✘ 2. -1

✔ 3. 0

✘ 4. 1

Question ID : **264330148216**
Status : **Not Answered**
Chosen Option : **--**

Q.4 In 2021, Sam received an annual increment in his salary by 40% but due to recession in 2022, the company started taking cost-cutting measures and his salary was reduced by 15%. What was the net change in his salary?

Ans

✗ 1. 17% increase

✓ 2. 19% increase

✗ 3. 9% decrease

✗ 4. 11% increase

Question ID : **264330147661**

Status : **Not Answered**

Chosen Option : **--**

Q.5 A rod of 5 cm radius and 52 cm length is converted into a wire of 100 cm length of uniform thickness. The radius of the wire (in cm) is:

Ans

✓ 1. $\sqrt{13}$

✗ 2. $\sqrt{15}$

✗ 3. $\sqrt{23}$

✗ 4. $\sqrt{17}$

Question ID : **264330148050**

Status : **Answered**

Chosen Option : **1**

Q.6 If $\left(y^2 + \frac{1}{y^2}\right) = 74$ and $y > 1$, find the value of $\left(y - \frac{1}{y}\right)$.

Ans

✓ 1. $6\sqrt{2}$

✗ 2. $-2\sqrt{19}$

✗ 3. $2\sqrt{19}$

✗ 4. $-6\sqrt{2}$

Question ID : **264330146847**

Status : **Answered**

Chosen Option : **1**

Q.7 If a sum of money at simple interest becomes 45 times in 110 years, then in how many years will that sum become 23 times?

Ans

✗ 1. 48

✗ 2. 60

✓ 3. 55

✗ 4. 50

Question ID : **264330151047**

Status : **Not Answered**

Chosen Option : **--**

Q.8 Two trains 320 m and 205 m in length are running towards each other on parallel lines. One train runs at the rate of 70 kmph and the other train runs at the rate of 56 kmph. Find the time they will take to cross each other (in seconds).

Ans
✗ 1. 10

✗ 2. 20

✗ 3. 12

✓ 4. 15

Question ID : **264330147759**
Status : **Not Answered**
Chosen Option : **--**

Q.9 A can complete a task in the same time in which B and C work together. If A and B could complete it jointly in 10 days and C alone in 50 days, then B could complete it independently in:

Ans
✗ 1. 26 days

✗ 2. 27 days

✓ 3. 25 days

✗ 4. 23 days

Question ID : **264330147870**
Status : **Not Answered**
Chosen Option : **--**

Q.10 What is the value of $(1 - \sin^2 A)\operatorname{cosec}^2 A$? Given A is an acute angle.

Ans
✓ 1. $\cot^2 A$

✗ 2. $\cos^2 A$

✗ 3. $\tan^2 A$

✗ 4. $\sin^2 A$

Question ID : **264330147804**
Status : **Answered**
Chosen Option : **1**

Q.11 If $3x - 2y = 3$ and $xy = 9$, then find the value of $3x + 2y$.

Ans
✗ 1. 16

✗ 2. 13

✗ 3. 14

✓ 4. 15

Question ID : **264330148219**
Status : **Not Answered**
Chosen Option : **--**

Q.12 Study the table given below and answer the question that follows.

The table below shows the total number of students studying different subjects in a college and the percentage of boys and girls.

Subject	Number of Students	Percentage of Girls	Percentage of Boys
Hindi	110	60	40
English	70	50	50
Physics	50	30	70
Chemistry	40	80	20
Mathematics	80	20	80
Computers	90	40	60

What is the ratio of the total number of girls in all the subjects to that of boys in all the subjects?

Ans ✓ 1. 5 : 6

✗ 2. 7 : 9

✗ 3. 6 : 7

✗ 4. 2 : 3

Question ID : **264330149427**
Status : **Not Answered**
Chosen Option : **--**

Q.13 Simplify the following:

$18 \times [24 \div 70 \times \{25 \times 49 \div (5 \times 7)\}]$

Ans ✗ 1. 218

✓ 2. 216

✗ 3. 215

✗ 4. 220

Question ID : **264330148185**
Status : **Answered**
Chosen Option : **2**

Q.14 A 40-litre mixture of milk and water contains milk and water in the ratio of 7 : 3. How many litres of water should be added to the mixture so that the resulting mixture has 60% of water in it?

Ans ✓ 1. 30

✗ 2. 35

✗ 3. 20

✗ 4. 25

Question ID : **264330147886**
Status : **Not Answered**
Chosen Option : **--**

Q.15 ΔABC inscribe in a circle with center O. if AB = 9 cm, BC = 40 cm and AC = 41 cm, then what is the circum-radius of a triangle?

Ans

✔ 1. $20\frac{1}{2}$ cm

✘ 2. $12\frac{1}{2}$ cm

✘ 3. $18\frac{1}{2}$ cm

✘ 4. $16\frac{1}{2}$ cm

Question ID : **264330148017**
Status : **Not Answered**
Chosen Option : **--**

Q.16 The compound interest accrued on a sum of ₹20,000 at the end of 2 years compounded annually is ₹2,050. Find the compound interest at the end of the 3rd year.

Ans

✘ 1. ₹3,153.50

✘ 2. ₹2,852.50

✔ 3. ₹3,152.50

✘ 4. ₹3,154.50

Question ID : **264330147756**
Status : **Not Answered**
Chosen Option : **--**

Q.17 If Tan 15° = $2 - \sqrt{3}$, then the value of Tan 15° Cot 75° + Tan 75° Cot 15° is:

Ans

✘ 1. 6

✘ 2. 10

✘ 3. 8

✔ 4. 14

Question ID : **264330148029**
Status : **Answered**
Chosen Option : **3**

Q.18 A certain sum was to be divided between A and B in the ratio 8 : 5. However, by mistake, it was divided in the ratio 5 : 8. Thus, A gets ₹300 less than his original share. Find the sum.

Ans

✘ 1. ₹2,600

✘ 2. ₹1,500

✔ 3. ₹1,300

✘ 4. ₹600

Question ID : **264330148241**
Status : **Not Answered**
Chosen Option : **--**

Q.19 Akash sold a motorcycle to Navin at a profit of 10%. Navin sold it to Vinay at a profit of 20%. Vinay sold it to Vishal at a loss of 5%. If Vishal paid ₹62,700 for the motorcycle, then what was the cost of the motorcycle (in ₹) for Akash?

Ans
✗ 1. 48,000
✗ 2. 48,500
✗ 3. 52,500
✔ 4. 50,000

Question ID : **264330147895**
Status : **Not Answered**
Chosen Option : **--**

Q.20 The perimeters of two similar triangles XYZ and PQR are respectively 62 cm and 42 cm. If PQ = 21 cm, find XY

Ans
✗ 1. 27 cm
✗ 2. 28 cm
✗ 3. 29 cm
✔ 4. 31 cm

Question ID : **264330149212**
Status : **Answered**
Chosen Option : **4**

Q.21 If $px + qy = 1$ and $qx + py = \frac{2pq}{p^2+q^2}$, then $(x^2 + y^2)(p^2 + q^2)$ is equal to:

Ans
✗ 1. 2
✗ 2. 3
✗ 3. 0
✔ 4. 1

Question ID : **264330148079**
Status : **Not Answered**
Chosen Option : **--**

Q.22 The radii of two circles are 9 cm and 4 cm, the distance between their centres is 13 cm, then the length of the direct common tangent is:

Ans
✗ 1. 8 cm
✗ 2. 14 cm
✔ 3. 12 cm
✗ 4. 16 cm

Question ID : **264330148019**
Status : **Not Answered**
Chosen Option : **--**

Q.23 If an electricity bill is paid before the due date, one gets a reduction of 13% on the amount of the bill. By paying the bill before the due date, Ravi got a reduction of ₹260.39. The amount of his electricity bill (in ₹) was:

Ans ✔ 1. 2,003

✘ 2. 2,580

✘ 3. 2,230

✘ 4. 2,064

Question ID : **264330148042**
Status : **Not Answered**
Chosen Option : **--**

Q.24 A salesman marks his goods 30% above the cost and gives a discount of 10% on them. Find his gain or loss percentage.

Ans ✘ 1. Loss 7%

✘ 2. Gain 7%

✘ 3. Loss 17%

✔ 4. Gain 17%

Question ID : **264330148139**
Status : **Not Answered**
Chosen Option : **--**

Q.25 Study the given pie-chart and answer the question that follows.

Percentage-wise distribution of teachers in six different subjects in a school is given in the pie-chart. The total number of teachers is 600. The ratio of male and female teachers is 3 : 1.

- English
- Sanskrit
- Hindi
- Mathematics
- Biology
- Social Studies
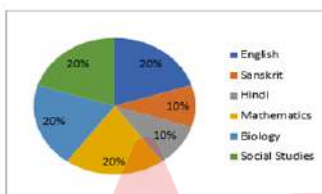
Find the ratio of teachers in English, Sanskrit and Hindi to teachers in Mathematics, Biology and Social Studies.

Ans ✘ 1. 2 : 5

✘ 2. 1 : 2

✔ 3. 2 : 3

✘ 4. 1 : 5

Question ID : **264330148148**
Status : **Answered**
Chosen Option : **3**

Section : **General Awareness**

Q.1 Which is the most powerful river in the world in terms of its volume and extensive drainage into the Atlantic Ocean?

Ans ✗ 1. Congo

✓ 2. Amazon

✗ 3. Amur

✗ 4. Nile

Question ID : **264330145649**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Which of the following statements about Akshdeep Singh is NOT true?

Ans ✗ 1.

Akshdeep Singh won the National Race Walking Championship.

✗ 2.
Akshdeep Singh qualified for the Paris 2024 Olympics and World Athletics Championships 2023.

✗ 3. Akshdeep Singh won a medal at Nomi in 2023.

✓ 4.
In the men's 20 km race walk event, Akshdeep Singh clocked 1 hour 19 minutes 55 seconds, a new national record, to win the Silver medal.

Question ID : **264330150085**
Status : **Not Answered**
Chosen Option : **--**

Q.3 The law of octaves asserts that every eighth element has comparable properties when grouped in increasing order of their atomic masses and is also known as:

Ans ✗ 1. Gravity relation

✗ 2. Doppler relation

✗ 3. Coulomb's relation

✓ 4. Newland's relation

Question ID : **264330150147**
Status : **Answered**
Chosen Option : **4**

Q.4 Which of the following regions in India is nicknamed as the storehouse of minerals?

Ans ✗ 1. Deccan Plateau

✗ 2. Western Ghats

✓ 3. Chota Nagpur

✗ 4. Himalayas

Question ID : **264330149362**
Status : **Answered**
Chosen Option : **3**

Q.5 Which of the following is consistent with import substitution policy?

Ans ✗ 1. Capital account convertibility

✗ 2. Flexible exchange rate policy

✔ 3. Tariffs and quotas

✗ 4. Current account convertibility

Question ID : **264330144723**
Status : **Not Answered**
Chosen Option : **--**

Q.6 Which of the following will be considered as normal residents of India?

A) Indians working in foreign embassies in India

B) Ambassador for India in rest of the world

Ans ✗ 1. Only A

✗ 2. Only B

✔ 3. Both A and B

✗ 4. Neither A nor B

Question ID : **264330145750**
Status : **Answered**
Chosen Option : **3**

Q.7 Which of the following is the most problematic and primary difficulty of barter exchanges as against money-based exchanges?

Ans ✗ 1. Bartered exchanges involve difficulty in preserving value.

✗ 2.
Barter exchanges may result in an incorrect valuation of the goods transacted.

✗ 3. Barter exchanges may be imperfectly divisible.

✔ 4. Barter exchanges require a double coincidence of wants.

Question ID : **264330144683**
Status : **Answered**
Chosen Option : **4**

Q.8 Who among the following personalities is a professional Kuchipudi Dancer?

Ans
- ✗ 1. Radha Sridhar
- ✗ 2. Surupa Sen
- ✗ 3. Anupama Hoskere
- ✓ 4. Kaushalya Reddy

Question ID : **264330145770**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Which region has the maximum concentration of Iron and Steel industries?

Ans
- ✗ 1. Shillong Plateau
- ✗ 2. Deccan Plateau
- ✓ 3. Chota Nagpur Plateau
- ✗ 4. Malwa Plateau

Question ID : **264330155083**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Who among the following has been accused of committing the judicial murder of Raja Nand Kumar?

Ans
- ✗ 1. Lord Wellesly
- ✗ 2. Lord Dalhousie
- ✗ 3. Lord Cornwallis
- ✓ 4. Warren Hastings

Question ID : **264330152556**
Status : **Not Answered**
Chosen Option : **--**

Q.11 In which year did Swami Dayanand Saraswati establish Arya Samaj?

Ans
- ✓ 1. 1875
- ✗ 2. 1867
- ✗ 3. 1828
- ✗ 4. 1887

Question ID : **264330150236**
Status : **Answered**
Chosen Option : **4**

Q.12 Which of the following is a transfer payment?

a) Unemployment allowances

b) Scholarships

c) Retirement pension

Ans ✗ 1. Only a

✓ 2. All of a, b and c

✗ 3. Only a and b

✗ 4. only c

Question ID : **264330145751**
Status : **Answered**
Chosen Option : **2**

Q.13 Which equation was verified by American scientists Nichols and Hull in 1903 by measuring the radiation pressure of visible light?

Ans ✗ 1. $Pr = C/N$

✗ 2. $P = L/M$

✗ 3. $P = F/A$

✓ 4. $P = U/C$

Question ID : **264330145576**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Match the items in list I with those in list II.

Measure of Money Supply	Formula
i. M_1	a. $M_1 + T_d$
ii. M_2	b. $C_p + D_d + O_d$
iii. M_3	c. $M_3 + TPO_d$
iv. M_4	d. $M_1 + POSB_d$

Ans ✗ 1. i-d, ii-a, iii-c, iv-b

✓ 2. i-b, ii-d, iii-a, iv-c

✗ 3. i-a, ii-d, iii-b, iv-c

✗ 4. i-c, ii-b, iii-a, iv-d

Question ID : **264330151340**
Status : **Answered**
Chosen Option : **1**

Q.15 Sheorinarayan fair is held in which of the following states?

Ans
✗ 1. West Bengal

✗ 2. Jharkhand

✓ 3. Chhattisgarh

✗ 4. Madhya Pradesh

Question ID : **264330148673**
Status : **Answered**
Chosen Option : **3**

Q.16 Where is Bhimrao Ambedkar Multipurpose Stadium situated?

Ans
✓ 1. Faizabad

✗ 2. Ghaziabad

✗ 3. Kanpur

✗ 4. Patna

Question ID : **264330145905**
Status : **Not Answered**
Chosen Option : **--**

Q.17 Which of the following Articles of the Indian Constitution has the idea that 'No child below the age of fourteen years shall be employed to work in any factory or mine or engaged in any other hazardous employment ?

Ans
✗ 1. Article 22

✓ 2. Article 24

✗ 3. Article 19

✗ 4. Article 20

Question ID : **264330151229**
Status : **Not Answered**
Chosen Option : **--**

Q.18 Totaram Sharma is associated with which of the following instruments?

Ans
✗ 1. Tanpura

✗ 2. Panchavadyam

✓ 3. Pakhawaj

✗ 4. Sarangi

Question ID : **264330148682**
Status : **Not Answered**
Chosen Option : **--**

Q.19 The founders of Vijayanagara Empire were the feudatories of which of the following dynasties?

Ans
✗ 1. Hoysala

✗ 2. Pandya

✓ 3. Kakatiya

✗ 4. Chola

Question ID : **264330148568**
Status : **Not Answered**
Chosen Option : **--**

Q.20 The Pakhawaj syllables are primarily used to conclude which of the following Indian classical dances?

Ans
✗ 1. Manipuri

✗ 2. Kathak

✓ 3. Odissi

✗ 4. Kathakali

Question ID : **264330151316**
Status : **Not Answered**
Chosen Option : **--**

Q.21 Who among the following was a member of the Drafting Committee of the Constituent Assembly?

Ans
✓ 1. Dr. KM Munshi

✗ 2. BN Rao

✗ 3. TT Krishnamachari

✗ 4. N Madhav Rau

Question ID : **264330145923**
Status : **Answered**
Chosen Option : **2**

Q.22 In the 2023 Women's World Boxing Championship gold medal match, Lovlina Borgohain defeated Australia's Caitlin Parker in the _____ kg weight category.

Ans
✗ 1. 70

✓ 2. 75

✗ 3. 80

✗ 4. 85

Question ID : **264330146274**
Status : **Answered**
Chosen Option : **4**

Q.23 In March 2023, the Pension Fund Regulatory and Development Authority (PFRDA) amended the 2015 PFRDA Regulation to increase the age limit for the Ombudsman from 65 to _____ years.

Ans
- ✗ 1. 77
- ✗ 2. 80
- ✓ 3. 70
- ✗ 4. 90

Question ID : **264330146254**
Status : **Answered**
Chosen Option : **3**

Q.24 The literacy rate of Andhra Pradesh state as per the Census of 2011 is _____.

Ans
- ✗ 1. 66.48%
- ✓ 2. 67.02%
- ✗ 3. 66%
- ✗ 4. 68.5%

Question ID : **264330150331**
Status : **Not Answered**
Chosen Option : **--**

Q.25 In which year did Rudolf Ludwig Karl Virchow formulate his famous aphorism 'Omnis cellula-e cellula' which became a part of the foundation of cell theory?

Ans
- ✓ 1. 1855
- ✗ 2. 1869
- ✗ 3. 1840
- ✗ 4. 1835

Question ID : **264330145616**
Status : **Not Answered**
Chosen Option : **--**