

## Combined Higher Secondary Level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	03/08/2023
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2023 Tier I

## Section : English Language

**Q.1** Select the most appropriate synonym of the underlined word in the given sentence.  
The event, in a cramped space, was totally bizarre in my view.

- Ans
- 1. Usual
  - 2. Customary
  - 3. Odd
  - 4. Normal

Question ID : 264330143122  
Status : Answered  
Chosen Option : 3

**Q.2** Select the sentence that has the correct use of spellings from the given options.

- Ans
- 1. While the negotiation process was complex and at times contentious, the two sides ultimately reached a mutually beneficial agreement.
  - 2. While the negotiation process was complex and at times contentious, the two sides ultimately reached a mutually beneficial agreement.
  - 3. While the negotiation process was complex and at times contentious, the two sides ultimately reached a mutually beneficial agreement.
  - 4. While the negotiation process was complex and at times contentious, the two sides ultimately reached a mutually beneficial agreement.

Question ID : 264330144172  
Status : Answered  
Chosen Option : 2

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

- Ans
- 1. Parsimony
  - 2. Extravagance
  - 3. Providence
  - 4. Economy

Question ID : 264330143150  
Status : Answered  
Chosen Option : 2

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Q.4 Select the option that expresses the given sentence in passive voice.

Moti has thrown the balls.

- Ans  1. The balls were thrown by Moti.  
 2. The balls have been thrown by Moti.  
 3. The balls were being thrown by Moti.  
 4. The balls had been thrown by Moti.

Question ID : 264330141349  
Status : Answered  
Chosen Option : 2

Q.5 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.  
Since the storm knocked in the power, we've been using candles to light our home.

- Ans  1. No substitution required  
 2. the storm knocked out the power  
 3. the storm knocked over the power  
 4. the storm knocked away the power

Question ID : 264330143134  
Status : Answered  
Chosen Option : 2

Q.6 Select the most appropriate idiom for the given situation.

Geetika spoke a lot about her new movie. However, it came to nothing in the theatres.

- Ans  1. To give the devil his dues  
 2. To get into hot water  
 3. To dig the grave  
 4. To end in smoke

Question ID : 264330144118  
Status : Answered  
Chosen Option : 4

Q.7 Select the most appropriate idiom for the underlined segment in the following sentence.

Raima takes her classes very attentively.

- Ans  1. In accordance with  
 2. By blazing a trail  
 3. By losing in a cloud  
 4. Be all ears

Question ID : 264330141310  
Status : Answered  
Chosen Option : 4

**Q.8** Select the sentence that has the correct use of spellings from the given options.

- Ans**  1. Although the book was difficult to read, I persisted and eventually understood the complex ideas.
2. Although the book was difficult to read, I persisted and eventually understood the complex ideas.
3. Although the book was difficult to read, I persisted and eventually understood the complex ideas.
4. Although the book was difficult to read, I persested and eventually understood the complex ideas.

Question ID : 264330144169  
Status : Answered  
Chosen Option : 2

**Q.9** Select the most appropriate ANTONYM of the word given in brackets to fill in the blank.

The (friendly) dog wagged its tail, while the \_\_\_\_ cat hissed.

- Ans**  1. loving
2. welcoming
3. affectionate
4. hostile

Question ID : 264330150166  
Status : Answered  
Chosen Option : 4

**Q.10** Select the option that expresses the following sentence in passive voice.

His brother needed some urgent help at that moment.

- Ans**  1. Some urgent help was needed by his brother at that moment.
2. Urgent help was needed by his brother at that moment.
3. Some urgent help is needed by his brother at that moment.
4. Some urgent help was needed by his brother at this moment.

Question ID : 264330142598  
Status : Answered  
Chosen Option : 2

**Q.11** Select the most appropriate option that can substitute the underlined words in the given sentence.

Could you please tell me which languages you are fluent in?

- Ans**  1. you may be fluent in speaking
2. you speak fluently
3. you fluently speaking
4. you have been fluent in speaking

Question ID : 264330144140  
Status : Answered  
Chosen Option : 2

Q.12 Select the option that can be used as a one-word substitute for the given group of words.

A person who lives a secluded or solitary life, often for religious reasons

- Ans
- 1. Extrovert
  - 2. Chauvinist
  - 3. Monk
  - 4. Hypochondriac

Question ID : 264330143933  
Status : Answered  
Chosen Option : 3

Q.13 Select the most appropriate ANTONYM of the given word.

Acclimatise

- Ans
- 1. Disarrange
  - 2. Prioritise
  - 3. Placate
  - 4. Decriminalise

Question ID : 264330143984  
Status : Not Answered  
Chosen Option : --

Q.14 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) have to deal with
- B) about the terrible traffic
- C) on his way to work
- D) Nishit begins thinking
- E) he will surely

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

Question ID : 264330143916  
Status : Answered  
Chosen Option : 3

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

When I reached the market place, the coconuts was already sold.

- Ans
- 1. are already sold
  - 2. have already sell
  - 3. is already sold
  - 4. were already sold

Question ID : 264330144302  
Status : Answered  
Chosen Option : 4

Q.16 Select the most appropriate ANTONYM of the underlined word in the following sentence.

Gandhi's approach, while effective in mobilising large segments of Indian society, was criticised by some for being passive and overly accommodating.

- Ans
- 1. Reconciling
  - 2. Strenuous
  - 3. Disobliging
  - 4. Gratifying

Question ID : 264330143961  
Status : Not Answered  
Chosen Option : --

Q.17 Select the most appropriate synonym of the given word.

Tranquil

- Ans
- 1. Anxious
  - 2. Dilemma
  - 3. Fierce
  - 4. Peaceful

Question ID : 264330143208  
Status : Answered  
Chosen Option : 4

Q.18 Select the grammatically correct version of the following sentence.

The young pirate is more cleverer than the captain of the ship.

- Ans
- 1. The young pirate is cleverer to the captain of the ship.
  - 2. The young pirate is cleverer than the captain of the ship.
  - 3. The young pirate is most clever than the captain of the ship.
  - 4. The younger pirate is cleverer than the captain of the ship.

Question ID : 264330144328  
Status : Answered  
Chosen Option : 2

Q.19 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.

In course by time, / he was wise enough to realise / the mistakes of his past life.

- Ans
- 1. In course by time,
  - 2. he was wise enough to realise
  - 3. the mistakes of his past life.
  - 4. No error

Question ID : 264330148717  
Status : Answered  
Chosen Option : 1

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

**The study of coins**

- Ans**
- 1. Currency
  - 2. Minting
  - 3. Numismatics
  - 4. Barter

Question ID : 264330144108  
Status : Answered  
Chosen Option : 3

**Comprehension:**

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

Daniel talks to people about the right to life. He says, "We have the right to live in freedom and in safety!" but the people do not (1)\_\_\_\_\_ and they say that the War is a big deal and it is not up to us nor up to the government. The government knows what to do and only the government can decide (2)\_\_\_\_\_ is best. And if the government says that there must be war, then it must be so. Daniel does not accept this and asks if there is a better solution. As all wars end with agreements, can't we do the agreements without the fighting? Can't the government solve this (3)\_\_\_\_\_? Isn't that the reason we have a government in the first place? He decides to (4)\_\_\_\_\_ to people in his government. He decides to write them and let them know what he thinks. He knows one opinion does not matter much, but he also knows that if everyone in his own country and on the other side would do this, there will (5)\_\_\_\_\_ be no more wars.

**SubQuestion No : 21**

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

- Ans**
- 1. grant
  - 2. agree
  - 3. consent
  - 4. announce

Question ID : 264330143906  
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 talks to people about the right to life. He says, "We have the right to live in freedom and in safety!" but the people do not (1)\_\_\_\_\_ and they say that the War is a big deal and it is not up to us nor up to the government. The government knows what to do and only the government can decide (2)\_\_\_\_\_ is best. And if the government says that there must be war, then it must be so. Daniel does not accept this and asks if there is a better solution. As all wars end with agreements, can't we do the agreements without the fighting? Can't the government solve this (3)\_\_\_\_\_? Isn't that the reason we have a government in the first place? He decides to (4)\_\_\_\_\_ to people in his government. He decides to write them and let them know what he thinks. He knows one opinion does not matter much, but he also knows that if everyone in his own country and on the other side would do this, there will (5)\_\_\_\_\_ be no more wars.

**SubQuestion No : 22**

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

- Ans** ✓ 1. what  
✗ 2. when  
✗ 3. where  
✗ 4. how

Question ID : 264330143907

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.

Daniel talks to people about the right to life. He says, "We have the right to live in freedom and in safety!" but the people do not (1)\_\_\_\_\_ and they say that the War is a big deal and it is not up to us nor up to the government. The government knows what to do and only the government can decide (2)\_\_\_\_\_ is best. And if the government says that there must be war, then it must be so. Daniel does not accept this and asks if there is a better solution. As all wars end with agreements, can't we do the agreements without the fighting? Can't the government solve this (3)\_\_\_\_\_? Isn't that the reason we have a government in the first place? He decides to (4)\_\_\_\_\_ to people in his government. He decides to write them and let them know what he thinks. He knows one opinion does not matter much, but he also knows that if everyone in his own country and on the other side would do this, there will (5)\_\_\_\_\_ be no more wars.

**SubQuestion No : 23**

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

- Ans** ✓ 1. peacefully  
✗ 2. disruptively  
✗ 3. compulsorily  
✗ 4. excitingly

Question ID : 264330143908

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.

Daniel talks to people about the right to life. He says, "We have the right to live in freedom and in safety!" but the people do not (1)\_\_\_\_\_ and they say that the War is a big deal and it is not up to us nor up to the government. The government knows what to do and only the government can decide (2)\_\_\_\_\_ is best. And if the government says that there must be war, then it must be so. Daniel does not accept this and asks if there is a better solution. As all wars end with agreements, can't we do the agreements without the fighting? Can't the government solve this (3)\_\_\_\_\_? Isn't that the reason we have a government in the first place? He decides to (4)\_\_\_\_\_ to people in his government. He decides to write them and let them know what he thinks. He knows one opinion does not matter much, but he also knows that if everyone in his own country and on the other side would do this, there will (5)\_\_\_\_\_ be no more wars.

**SubQuestion No : 24**

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

- Ans**  1. speak  
 2. chat  
 3. declare  
 4. blabber

Question ID : 264330143909

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.

Daniel talks to people about the right to life. He says, "We have the right to live in freedom and in safety!" but the people do not (1)\_\_\_\_\_ and they say that the War is a big deal and it is not up to us nor up to the government. The government knows what to do and only the government can decide (2)\_\_\_\_\_ is best. And if the government says that there must be war, then it must be so. Daniel does not accept this and asks if there is a better solution. As all wars end with agreements, can't we do the agreements without the fighting? Can't the government solve this (3)\_\_\_\_\_? Isn't that the reason we have a government in the first place? He decides to (4)\_\_\_\_\_ to people in his government. He decides to write them and let them know what he thinks. He knows one opinion does not matter much, but he also knows that if everyone in his own country and on the other side would do this, there will (5)\_\_\_\_\_ be no more wars.

**SubQuestion No : 25**

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

- Ans**  1. doubtlessly  
 2. wabbly  
 3. absurdly  
 4. probably

Question ID : 264330143910

Status : Answered

Chosen Option : 4

Section : General Intelligence

**Q.1** Select the term from among the given options that can replace the question mark (?) in the following series based on the English alphabetical order.

YZN, HDI, QHD, ZLY, ?

- Ans**
- 1. IOT
  - 2. JPT
  - 3. IPT
  - 4. JOT

Question ID : 264330146935  
Status : Answered  
Chosen Option : 3

**Q.2** Select the word-pair that does NOT represent 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/number of consonants/vowels in the word.)  
Rapidly : Swiftly

- Ans**
- 1. Obtain : Procure
  - 2. Distress : Trouble
  - 3. True : Correct
  - 4. Idle : Active

Question ID : 264330150893  
Status : Answered  
Chosen Option : 4

**Q.3** In a certain code language, 'PYRE' is coded as '5108' and 'YELP' is coded as '8601'. What is the code for 'R' in the given code language?

- Ans**
- 1. 0
  - 2. 1
  - 3. 8
  - 4. 5

Question ID : 264330146578  
Status : Answered  
Chosen Option : 4

**Q.4** What should come in place of the question mark (?) in the given series?

333, 337, 345, ?, 393

- Ans**
- 1. 361
  - 2. 349
  - 3. 378
  - 4. 382

Question ID : 264330146382  
Status : Answered  
Chosen Option : 1

**Q.5** Which of the following interchanges in two mathematical operators will balance the equation given below?  
 $14 - 96 \times 24 + 16 \div 4 = 74$

- Ans**
- 1.  $-$  and  $\div$
  - 2.  $+$  and  $-$
  - 3.  $\div$  and  $\times$
  - 4.  $+$  and  $\times$

Question ID : 264330150916  
 Status : Answered  
 Chosen Option : 3

**Q.6** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically and definitely follow/s from the given statements.

Statements: Some Bagels are Eggs. Some Bagels are Cheese. Some Cheese are Smiles.

Conclusions: (I) Some Cheese are Eggs.

(II) Some Bagels are Smiles.

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

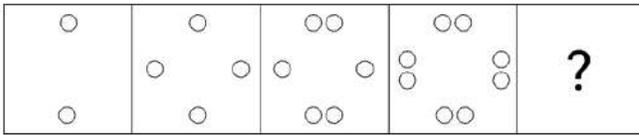
Question ID : 264330151161  
 Status : Answered  
 Chosen Option : 3

**Q.7** T is the mother of S's father. U is the wife of S. V is the only son of W who is married to T. X is the daughter of U. Y is the brother of X and married to Z. How is S related to Z?

- Ans**
- 1. Husband's mother
  - 2. Husband's father
  - 3. Wife's mother
  - 4. Wife's brother

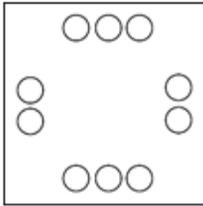
Question ID : 264330150848  
 Status : Answered  
 Chosen Option : 2

Q.8 Identify the figure given in the options which when put in place of ? will logically complete the series.

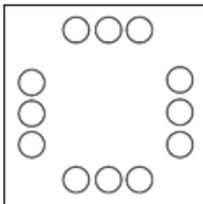


Ans

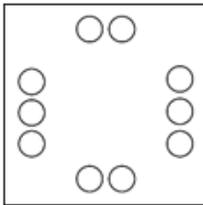
✓ 1.



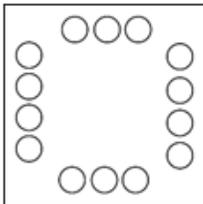
✗ 2.



✗ 3.



✗ 4.



Question ID : 264330146311  
Status : Answered  
Chosen Option : 1

**Q.9** Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



**Ans**

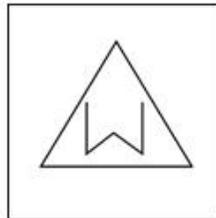
✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question ID : 264330146480  
Status : Answered  
Chosen Option : 3

**Q.10** FJMN is related to LPST in a certain way based on a certain relationship between the given letters in the English alphabetical order. In the same way, ADEL is related to GJKR. Which of the given options is DMJN related to following the same logic?

**Ans**

✗ 1. LPTQ

✓ 2. JSPT

✗ 3. TJMK

✗ 4. SJJP

Question ID : 264330147066  
Status : Answered  
Chosen Option : 2

**Q.11** 12 is related to 50 following a certain logic. Following the same logic, 19 is related to 78. To which of the following is 13 related to, following the same logic?

- Ans**
- 1. 32
  - 2. 59
  - 3. 54
  - 4. 44

Question ID : 264330147355  
Status : Answered  
Chosen Option : 3

**Q.12** SXYU is related to TYZV in a certain way based on the English alphabetical order. In the same way, GLMI is related to HMNJ. To which of the following is QVWS related to, following the same logic?

- Ans**
- 1. RVUT
  - 2. RVXT
  - 3. RWXT
  - 4. RVWT

Question ID : 264330147306  
Status : Answered  
Chosen Option : 3

**Q.13** Four terms have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- Ans**
- 1. TVD
  - 2. FHP
  - 3. LNV
  - 4. KMV

Question ID : 264330146941  
Status : Not Answered  
Chosen Option : --

**Q.14** Select the term from among the given options that can replace the question mark (?) in the following series based on the English alphabetical order.  
BPY, ENB, ?, KJH, NHK

- Ans**
- 1. GLF
  - 2. HLE
  - 3. GMF
  - 4. HMD

Question ID : 264330147483  
Status : Answered  
Chosen Option : 2

Q.15 What should come in place of the question mark (?) in the given series?

5 8 11 14 17 ?

- Ans
- 1. 19
  - 2. 20
  - 3. 21
  - 4. 22

Question ID : 264330151012  
Status : Answered  
Chosen Option : 2

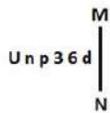
Q.16 Three of the following number pairs are alike in some manner and one is different. Select the odd number pair.

(NOTE: The second number in the given number pairs is formed by performing a certain operation on the first number. The same operation is followed in all the number pairs except one. Find that odd number pair.)

- Ans
- 1. 55 : 10
  - 2. 80 : 13
  - 3. 20 : 3
  - 4. 95 : 18

Question ID : 264330150875  
Status : Not Answered  
Chosen Option : --

Q.17 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- 1. q 9 ε d n U
  - 2. b θ ε q n U
  - 3. b 9 ε p n U
  - 4. d θ ε q u U

Question ID : 264330146700  
Status : Answered  
Chosen Option : 2

Q.18 In a certain code language, 'CHAP' is coded as '9756' and 'PACE' is coded as '5963'. What is the code for 'H' in the given code language?

- Ans
- 1. 6
  - 2. 9
  - 3. 5
  - 4. 7

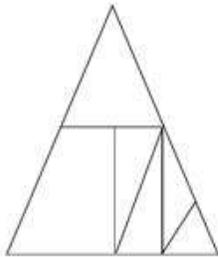
Question ID : 264330146572  
Status : Answered  
Chosen Option : 4

**Q.19** If 5 May 1911 is Friday, then what will be the day of the week on 11 September 1919?

- Ans**
- 1. Sunday
  - 2. Monday
  - 3. Friday
  - 4. Thursday

Question ID : 264330146571  
 Status : Answered  
 Chosen Option : 2

**Q.20** How many triangles are there in the given figure?



- Ans**
- 1. 10
  - 2. 7
  - 3. 8
  - 4. 9

Question ID : 264330147347  
 Status : Answered  
 Chosen Option : 3

**Q.21** If 'A' stands for ':', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

13 C 27 A 3 B 8 D 12 = ?

- Ans**
- 1. 71
  - 2. 64
  - 3. 73
  - 4. 69

Question ID : 264330146417  
 Status : Answered  
 Chosen Option : 3

**Q.22** 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 magnets are poles.

All poles are telescopes.

Some telescopes are computers.

Conclusion (I): All telescopes are magnets.

Conclusion (II): Some poles are computers.

- Ans**
- 1. Both conclusions (I) and (II) are true.
  - 2. Only conclusion (I) is true.
  - 3. Only conclusion (II) is true.
  - 4. Neither conclusion (I) nor (II) is true.

Question ID : 264330150999  
Status : Answered  
Chosen Option : 4

**Q.23** If it will be Monday day after tomorrow, then what was the day of the week 50 days ago from today?

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

Question ID : 264330146316  
Status : Answered  
Chosen Option : 1

**Q.24** 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.)

56 - 26 - 60 and 19 - 8 - 22

- Ans**
- 1. 60 - 18 - 21
  - 2. 35 - 16 - 18
  - 3. 86 - 36 - 100
  - 4. 22 - 5 - 23

Question ID : 264330150911  
Status : Not Answered  
Chosen Option : --

**Q.25** What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$9 \div 576 \times 24 + 109 - 7 = ?$$

- Ans**
- ✓ 1. 114
  - ✗ 2. 214
  - ✗ 3. 318
  - ✗ 4. 218

Question ID : 264330147323  
Status : Answered  
Chosen Option : 1

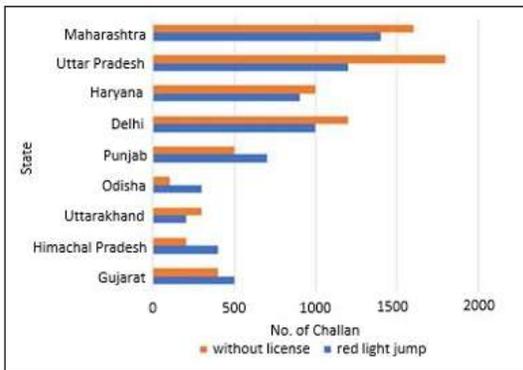
Section : Quantitative Aptitude

**Q.1** A bottle is filled with liquid of which 4 parts are water and 5 parts are fruit extract. How much of the mixture must be drawn off and replaced with water so that the mixture may be half water and half fruit extract?

- Ans**
- ✓ 1.  $\frac{1}{10}$
  - ✗ 2.  $\frac{9}{10}$
  - ✗ 3.  $\frac{4}{9}$
  - ✗ 4.  $\frac{5}{9}$

Question ID : 264330147615  
Status : Not Answered  
Chosen Option : --

**Q.2** The bar graph represents the number of challan in 9 states of India.

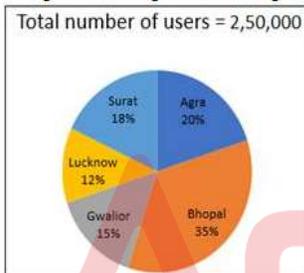


The percentage of without license challan in Delhi is how much more than those in Uttarakhand and Himachal Pradesh together?

- Ans**
- 1. 120%
  - 2. 300%
  - 3. 140%
  - 4. 250%

Question ID : 264330149061  
 Status : Answered  
 Chosen Option : 4

**Q.3** Study the given pie chart and answer the question that follows.  
 The pie chart represents the percentage of magazine users in five different cities of India.



What is the central angle made by Bhopal city in the pie chart?

- Ans**
- 1. 128°
  - 2. 126°
  - 3. 122°
  - 4. 124°

Question ID : 264330150841  
 Status : Answered  
 Chosen Option : 2

Q.4 The fourth proportional of 1.4, 8.4 and 4.2 is:

- Ans
- 1. 2.8
  - 2. 0.7
  - 3. 25.2
  - 4. 6.4

Question ID : 264330148852  
Status : Answered  
Chosen Option : 3

Q.5  $\sin^2 35^\circ + \sin^2 55^\circ = \underline{\hspace{2cm}}$ .

- Ans
- 1. 0
  - 2. 1
  - 3.  $2\sin 35^\circ$
  - 4.  $2\sin 55^\circ$

Question ID : 264330147650  
Status : Answered  
Chosen Option : 2

Q.6 In a 1 km race, P completes the race in 120 seconds and Q in 125 seconds. The distance by which P beats Q is:

- Ans
- 1. 40 metres
  - 2. 80 metres
  - 3. 20 metres
  - 4. 60 metres

Question ID : 264330149336  
Status : Not Answered  
Chosen Option : --

Q.7 Two circles of radii 15 and 18 cm touch each other externally. What is the length (in cm) of the direct common tangent to the two circles?

- Ans
- 1.  $18\sqrt{6}$
  - 2.  $12\sqrt{15}$
  - 3.  $30\sqrt{6}$
  - 4.  $6\sqrt{30}$

Question ID : 264330147803  
Status : Not Answered  
Chosen Option : --

Q.8 The given expression is equal to:

$$\frac{(1+\tan^2 A)}{\operatorname{cosec}^2 A \tan A}$$

- Ans
- 1.  $\sec^2 A$
  - 2.  $\sec A$
  - 3.  $\tan A$
  - 4.  $\tan^2 A$

Question ID : 264330146437  
Status : Not Answered  
Chosen Option : --

Q.9 The marked price of the cupboard is ₹15,750, which is 50% above its cost price. It is sold at a discount of 40%. What is the profit/loss percentage?

- Ans
- 1. Profit, 10%
  - 2. Loss, 10%
  - 3. Loss, 20%
  - 4. Profit, 20%

Question ID : 264330147780  
Status : Answered  
Chosen Option : 2

Q.10 If  $a^2 + \frac{1}{a^2} = \frac{7}{3}$ , then what is the value of  $(a^3 - \frac{1}{a^3})$ ?

- Ans
- 1.  $\frac{5}{3\sqrt{3}}$
  - 2.  $\frac{10}{3\sqrt{3}}$
  - 3.  $\frac{7}{3\sqrt{3}}$
  - 4.  $\frac{8}{3\sqrt{3}}$

Question ID : 264330148080  
Status : Not Answered  
Chosen Option : --

**Q.11** How much chicory, costing ₹100/kg should be added to 40 kg of coffee costing ₹45/kg so that the mixture will be worth ₹60/kg?

- Ans**
- 1. 12.5 kg
  - 2. 5 kg
  - 3. 17.5 kg
  - 4. 15 kg

Question ID : 264330147658  
Status : Answered  
Chosen Option : 3

**Q.12** In a triangle PQR, QR is produced to S. If  $\angle PRS = (9x - 15)^\circ$ ,  $\angle RPQ = (2x)^\circ$ , and  $\angle PQR = (4x + 15)^\circ$ , what is the value of  $x$ ?

- Ans**
- 1. 55
  - 2. 20
  - 3. 10
  - 4. 75

Question ID : 264330147790  
Status : Answered  
Chosen Option : 3

**Q.13** If  $a + b = 10$  and  $a^2 + b^2 = 58$ , find the value of  $ab$ .

- Ans**
- 1. 24
  - 2. 27
  - 3. 30
  - 4. 21

Question ID : 264330148115  
Status : Answered  
Chosen Option : 4

**Q.14** What price should a tradesman mark on an article which costs him ₹153 to gain 20% after allowing a discount of 15%?

- Ans**
- 1. ₹416
  - 2. ₹116
  - 3. ₹216
  - 4. ₹316

Question ID : 264330147727  
Status : Answered  
Chosen Option : 3

**Q.15** The cost of 3 cups and 5 plates is ₹1,080 and the cost of 2 cups and 4 plates is ₹840. Find the ratio of the cost of a cup to the cost of a plate.

- Ans**
- ✓ 1. 1 : 3
  - ✗ 2. 2 : 3
  - ✗ 3. 1 : 1
  - ✗ 4. 1 : 2

Question ID : 264330149257  
Status : Answered  
Chosen Option : 1

**Q.16** Two circles touch each other externally, having a radius of 12 cm and 8 cm, respectively. Find the length of their common tangent AB with point A on bigger circle and B on the smaller circle.

- Ans**
- ✓ 1.  $8\sqrt{6}$  cm
  - ✗ 2.  $8\sqrt{3}$  cm
  - ✗ 3.  $12\sqrt{3}$  cm
  - ✗ 4.  $12\sqrt{6}$  cm

Question ID : 264330147685  
Status : Not Answered  
Chosen Option : --

**Q.17**  $\cos^4 A - \sin^4 A$  is equal to:

- Ans**
- ✗ 1.  $2\cos^2 A + 1$
  - ✓ 2.  $1 - 2\sin^2 A$
  - ✗ 3.  $2\sin^2 A - 1$
  - ✗ 4.  $-(2\sin^2 A + 1)$

Question ID : 264330148179  
Status : Answered  
Chosen Option : 2

**Q.18** What is the compound interest on ₹62,500 for 2 years at 8% per annum compounded yearly?

- Ans**
- ✗ 1. ₹10,500
  - ✗ 2. ₹10,300
  - ✓ 3. ₹10,400
  - ✗ 4. ₹10,600

Question ID : 264330148197  
Status : Answered  
Chosen Option : 3

**Q.19** If in  $\Delta PQR$  and  $\Delta DEF$ ,  $\angle P = 52^\circ$ ,  $\angle Q = 74^\circ$ ,  $\angle R = 54^\circ$ ,  $\angle D = 54^\circ$ ,  $\angle E = 74^\circ$  and  $\angle F = 52^\circ$ , then which of the following is correct?

- Ans**
- 1.  $\Delta PQR \sim \Delta FED$
  - 2.  $\Delta RQP \sim \Delta FED$
  - 3.  $\Delta PRQ \sim \Delta FED$
  - 4.  $\Delta PQR \sim \Delta DEF$

Question ID : 264330150577  
Status : Answered  
Chosen Option : 1

**Q.20** Find the fourth proportion for 15, 55 and 81.

- Ans**
- 1. 231
  - 2. 297
  - 3. 335
  - 4. 313

Question ID : 264330148092  
Status : Answered  
Chosen Option : 2

**Q.21** The length, breadth, and height of a room are 7 m, 5 m and 3 m, respectively. Find the cost of whitewashing the walls of the room and the ceiling at the rate of ₹16 per  $m^2$ .

- Ans**
- 1. ₹1,712
  - 2. ₹1,742
  - 3. ₹1,698
  - 4. ₹1,684

Question ID : 264330148103  
Status : Answered  
Chosen Option : 1

**Q.22** If the simple interest on a certain sum of money is ₹11,220 at the rate of  $16\frac{1}{2}\%$  per annum for 8 years and 3 months, then what is the principal amount (in ₹, rounded off to the nearest rupee)?

- Ans**
- 1. 4,228
  - 2. 6,822
  - 3. 8,422
  - 4. 8,242

Question ID : 264330151049  
Status : Answered  
Chosen Option : 1

**Q.23** A tailor buys lining clothes from a wholesale merchant and cheats him by using a measurement tape which is 5 cm longer than the normal tape. The tailor offers the customers at cost price while stitching different garments and uses measurement tape which is 5 cm shorter than the normal tape. The gain per cent is:

- Ans**
- 1. 15%
  - 2.  $10\frac{10}{25}\%$
  - 3. 10%
  - 4.  $10\frac{10}{19}\%$

Question ID : 264330148418  
 Status : Not Answered  
 Chosen Option : --

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

The table shows the percentage of female employees in various departments of a company.

Department	Percentage of Female Employees
Production	55
R & D	60
Purchase	40
Accounts	10
Administration	50
Total	41.51

If accounts department has 198, R & D has 100 male employees, then the total number of female employees in these two departments will be:

- Ans**
- 1. 144
  - 2. 185
  - 3. 168
  - 4. 172

Question ID : 264330149774  
 Status : Not Answered  
 Chosen Option : --

**Q.25** If  $(y + \frac{1}{y}) = 8$ , find the value of  $(y^2 + \frac{1}{y^2})$ .

- Ans**
- 1. 64
  - 2. 66
  - 3. 62
  - 4. 60

Question ID : 264330146844  
 Status : Answered  
 Chosen Option : 3

Q.1 Which of the following diseases is a potential contender for worldwide eradication?

- Ans
- 1. Polio
  - 2. Tuberculosis
  - 3. Measles
  - 4. Malaria

Question ID : 264330150149  
Status : Answered  
Chosen Option : 1

Q.2 How many Gold medals India won in the Olympics between 1928 and 1980?

- Ans
- 1. 7
  - 2. 5
  - 3. 6
  - 4. 8

Question ID : 264330145889  
Status : Not Answered  
Chosen Option : --

Q.3 Due to which of the following reasons can money be differentiated from other physical assets that can perform the function of store of value?

- Ans
- 1. Money has common acceptability.
  - 2. Money possesses liquidity.
  - 3. Money is neutral.
  - 4. Money is easy to store.

Question ID : 264330145567  
Status : Answered  
Chosen Option : 1

Q.4 English as the official language of India for higher education was incorporated in the resolution formulation by \_\_\_\_\_.

- Ans
- 1. Lord Hastings
  - 2. Lord Wellesley
  - 3. Lord Macaulay
  - 4. Lord Dalhousie

Question ID : 264330148589  
Status : Answered  
Chosen Option : 3

Q.5 Who was the author of the book 'Vrihat Katha Kosha'?

- Ans
- 1. Laxmidhar
  - 2. Jayanaka
  - 3. Harisena
  - 4. Rajashekhar

Question ID : 264330150200  
Status : Not Answered  
Chosen Option : --

Q.6 Which of these is NOT the reason why 'final' goods are called so?

- Ans
- 1. They are meant for final use.
  - 2. They are the last to be consumed.
  - 3. They will not pass through any more stages of production.
  - 4. They are not processed or transformed further.

Question ID : 264330144697  
Status : Answered  
Chosen Option : 4

Q.7 Which city in India is known as the 'Detroit of India' due to its automobile industry?

- Ans
- 1. Chennai
  - 2. Mumbai
  - 3. Bengaluru
  - 4. Pune

Question ID : 264330149349  
Status : Answered  
Chosen Option : 1

Q.8 In which year did RBI introduce the regulatory framework for microfinance loans?

- Ans
- 1. 2021
  - 2. 2022
  - 3. 2020
  - 4. 2019

Question ID : 264330146108  
Status : Not Answered  
Chosen Option : --

**Q.9** Who among the following won the bronze medal at the World Under-20 Wrestling championship 2022, which was held at Sofia, Bulgaria?

- Ans**
- 1. Atul Malhotra
  - 2. Vikas Khedkar
  - 3. Rohit Dahiya
  - 4. Bajrang Punia

Question ID : **264330145977**  
Status : **Not Answered**  
Chosen Option : --

**Q.10** The provision for the post of Vice-President in the Indian Constitution was taken from \_\_\_\_\_.

- Ans**
- 1. France
  - 2. United States of America
  - 3. Ireland
  - 4. Japan

Question ID : **264330150426**  
Status : **Answered**  
Chosen Option : 2

**Q.11** Which of the following Indian pairs won the gold medal in Badminton in Commonwealth Games -2022 held in August 2022?

- Ans**
- 1. Chirag Shetty and Lakshya Sen
  - 2. Satwiksairaj Rankireddy and Lakshya Sen
  - 3. Satwiksairaj Rankireddy and Chirag Shetty
  - 4. Srikanth Kidambi and Lakshya Sen

Question ID : **264330154909**  
Status : **Answered**  
Chosen Option : 3

**Q.12** According to the Köppen classification, which letter code represents a tropical climate with a dry winter season found in large parts of peninsular India south of the Tropic of Cancer?

- Ans**
- 1. BWk
  - 2. Aw
  - 3. CWh
  - 4. Dw

Question ID : **264330154912**  
Status : **Not Answered**  
Chosen Option : --

**Q.13** In 2022, Chief Minister MK Stalin introduced the 'Pudhumai Penn' (Modern women ) programme, under which all female students enrolled in government schools from classes 6 through 12 will receive \_\_\_\_\_ each month to pursue higher education.

- Ans**
- 1. ₹2,000
  - 2. ₹2,500
  - 3. ₹1,500
  - 4. ₹1,000

Question ID : 264330150048  
Status : Answered  
Chosen Option : 1

**Q.14** Which of the following is a traditional dance form of Sri Lanka?

- Ans**
- 1. Bihu
  - 2. Kathak
  - 3. Kandyan dance
  - 4. Bharatanatyam

Question ID : 264330150292  
Status : Not Answered  
Chosen Option : --

**Q.15** Who among the following personalities is known as the 'Queen of Carnatic Music'?

- Ans**
- 1. MS Subbulakshmi
  - 2. Vijaya Rajendran
  - 3. Kavita Krishnamoorti
  - 4. Lata Mangeshkar

Question ID : 264330145788  
Status : Answered  
Chosen Option : 4

**Q.16** Which of the following statements best describes the characteristics of a crystalline solid?

- Ans**
- 1. Easily experiences geometric deformation
  - 2. There is no precise melting point
  - 3. Has an uneven 3-dimensional layouts
  - 4. Changes abruptly from solid to liquid when heated

Question ID : 264330144467  
Status : Not Answered  
Chosen Option : --

Q.17 Which of the following correctly represents the number of atoms in one mole of  $\text{CH}_3\text{OH}$ ?

- Ans
- 1.  $6.0 \times 10^{23}$
  - 2.  $3.6 \times 10^{24}$
  - 3.  $3.0 \times 10^{25}$
  - 4. 3

Question ID : 264330144469  
Status : Answered  
Chosen Option : 1

Q.18 Rann Utsav is celebrated in which of the following states?

- Ans
- 1. Goa
  - 2. Punjab
  - 3. Gujarat
  - 4. Haryana

Question ID : 264330148671  
Status : Answered  
Chosen Option : 3

Q.19 Which of the following is NOT one of the basic questions every society needs to answer?

- Ans
- 1. How should the goods be distributed?
  - 2. How should goods be produced?
  - 3. What goods and services to produce?
  - 4. How should the goods be exchanged?

Question ID : 264330145861  
Status : Answered  
Chosen Option : 4

Q.20 Which of the following is a feature of fundamental duties mentioned in the Indian Constitution ?

- Ans
- 1. Some of them available to legal expertise.
  - 2. Reasonable restrictions can be imposed.
  - 3. Some of them are available to foreigners.
  - 4.

The Constitution does not provide for their direct enforcement.

Question ID : 264330145929  
Status : Answered  
Chosen Option : 4

Q.21 Identify the true statement among the following.

- Ans
- 1. Income Tax is an Indirect Tax
  - 2. Goods and Services Tax is a direct tax
  - 3. Fees and Fines collected is a non-tax receipt
  - 4. Borrowings from the public is a revenue receipt

Question ID : 264330145692  
Status : Answered  
Chosen Option : 4

Q.22 The One Dance UK Lifetime Achievement Award 2021 in South Asian Dance was given to:

- Ans
- 1. Smita Vadnerkar
  - 2. Maggie Morris
  - 3. Alysha Kassam
  - 4. Kamara Gray

Question ID : 264330150420  
Status : Not Answered  
Chosen Option : --

Q.23 Which of the following is a folk dance from the state of Gujarat?

- Ans
- 1. Tippani
  - 2. Phag
  - 3. Dhimsa
  - 4. Dhamal

Question ID : 264330145762  
Status : Answered  
Chosen Option : 4

Q.24 The Jog Falls, one of the highest waterfalls in India is the cataract of which river?

- Ans
- 1. Narmada
  - 2. Tungabhadra
  - 3. Sharavati
  - 4. Cauvery

Question ID : 264330150267  
Status : Answered  
Chosen Option : 3

**Q.25** Narayan Guru, a social reformer from Ezhava caste and who propagated an anti-caste movement, was born in which of the following states of India?

- Ans**
- 1. Karnataka
  - 2. Kerala
  - 3. Andhra Pradesh
  - 4. Tamil Nadu

Question ID : 264330152560  
Status : Answered  
Chosen Option : 4

