

## Combined Higher Secondary Level Examination 2023 Tier I

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

Section : English Language

**Q.1** The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

The man / is a / social animal.

- Ans
- 1. social animal
  - 2. The man
  - 3. No error
  - 4. is a

Question ID : 264330148948  
Status : Not Answered  
Chosen Option : --

**Q.2** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Would you / like to / watch an movie / tonight at eight?

- Ans
- 1. watch an movie
  - 2. like to
  - 3. tonight at eight
  - 4. Would you

Question ID : 264330148956  
Status : Answered  
Chosen Option : 1

**Q.3** Select the most appropriate option to substitute the underlined segment in the given sentence.

Teja is a successful businessman; he always makes hay when the moon shines.

- Ans
- 1. makes hay while the sun sets
  - 2. makes hay while the sun shines
  - 3. makes hey while the moon rises
  - 4. makes hay while the stars twinkle

Question ID : 264330143191  
Status : Answered  
Chosen Option : 2

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

Did the company launch a new product last month?

- Ans
- 1. Did the new product launch the company last month?
  - 2. Was the company launched by a new product last month?
  - 3. Was a new product launched by the company last month?
  - 4. Did the new product launch by the company last month's?

Question ID : 264330142570  
Status : Answered  
Chosen Option : 3

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

In according to his advice I took this medicine.

- Ans
- 1. accordance with
  - 2. accordingly
  - 3. accordance to
  - 4. accord with

Question ID : 264330147598  
Status : Marked For Review  
Chosen Option : 1

**Q.6** Select the most appropriate synonym of the underlined word.

Great leaders don't ignore trivial things.

- Ans
- 1. Small
  - 2. Serious
  - 3. Informal
  - 4. Urgent

Question ID : 264330143172  
Status : Marked For Review  
Chosen Option : 2

**Q.7** Select the most appropriate ANTONYM of the underlined word.

Her judicious act made him popular overnight.

- Ans
- 1. Criminal
  - 2. Unwise
  - 3. Loyal
  - 4. Lawful

Question ID : 264330143182  
Status : Answered  
Chosen Option : 2

**Q.8** Select the most appropriate **ANTONYM** of the underlined word in the following sentence.

The jovial host welcomed his guests with a warm smile and a hearty laugh.

- Ans
- 1. Cheerful
  - 2. Petulant
  - 3. Buoyant
  - 4. Convivial

Question ID : 264330148919  
Status : Answered  
Chosen Option : 1

**Q.9** Select the most appropriate option that can substitute the underlined words in the following sentence.

I am trying to study, if it is impossible with all this noise.

- Ans
- 1. that it is impossible
  - 2. but it is impossible
  - 3. while it is impossible
  - 4. unless it is impossible

Question ID : 264330142625  
Status : Answered  
Chosen Option : 2

**Q.10** Select the option that expresses the given sentence in passive voice.  
Suresh stole my book.

- Ans
- 1. My book is being stolen by Suresh.
  - 2. My book got stolen by Suresh.
  - 3. My book was stolen by Suresh.
  - 4. My book was being stolen by Suresh.

Question ID : 264330147563  
Status : Answered  
Chosen Option : 3

**Q.11** Select the most appropriate meaning of the given idiom.

Having a chip on one's shoulder

- Ans
- 1. Having an unnecessary feeling of guilt
  - 2. Having an irritated and unfriendly attitude
  - 3. Having a proud and self-centred arrogance
  - 4. Showing great resistance to any adversities

Question ID : 264330143988  
Status : Not Answered  
Chosen Option : --

Q.12 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) he has been
- B) everyone he knows
- C) so upset about his
- D) him so rude to
- E) divorce and that made

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

Question ID : 264330143914  
Status : Answered  
Chosen Option : 3

Q.13 Select the most appropriate synonym for the underlined word in the given sentence.  
She is painfully introverted, but an intelligent girl.

- Ans
- 1. Shy
  - 2. Outspoken
  - 3. Social
  - 4. Bold

Question ID : 264330143129  
Status : Answered  
Chosen Option : 1

Q.14 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'.  
Everyone sincerely and positively were ready to find the solution for the serious issue of sewage system.

- Ans
- 1. Everyone were sincerely and positively
  - 2. Everyone was sincerely and positively
  - 3. No correction required.
  - 4. Everyone had sincerely and positively

Question ID : 264330144229  
Status : Answered  
Chosen Option : 2

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

- A. what to tell you and how to say it
- B. and there is darkness everywhere
- C. and I do not quite know
- D. the light has gone out of our lives

- Ans
- 1. BCAD
  - 2. DBCA
  - 3. ABCD
  - 4. CABD

Question ID : 264330147575  
Status : Not Answered  
Chosen Option : --

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

The idea of investing all of his life savings in a risky startup seemed like an act of lunacy to his financial advisor.

- Ans
- 1. Sanity
  - 2. Dismay
  - 3. Delusion
  - 4. Insanity

Question ID : 264330148920  
Status : Answered  
Chosen Option : 4

**Q.17** Select the meaningful and correctly spelt word from the given options to fill in the blank.

Whenever Susan received letters from the police, she \_\_\_\_\_ ignored them.

- Ans
- 1. intantienally
  - 2. intoningly
  - 3. indentionally
  - 4. intentionally

Question ID : 264330148936  
Status : Answered  
Chosen Option : 4

**Q.18** Select the sentence that has the correct use of spellings from the given options.

- Ans
- 1. In spite of the challenges possed by the pandamic, the company adapted to remote work and successfully maintained productivity levels.
  - 2. In spite of the challenges posed by the pandamic, the company adapted to remote work and successfully maintained productivity levels.
  - 3. In spite of the challenges posed by the pandemic, the company adapted to remote work and successfully maintained productivity levels.
  - 4. In spite of the challenges possed by the pandemic, the company adapted to remote work and succesfully maintained producteivity levels.

Question ID : 264330144171  
Status : Answered  
Chosen Option : 4

**Q.19** Select the most appropriate option that can substitute the underlined segment in the given sentence.

The person who dislikes and distrusts other people lived alone in a secluded cabin deep in the woods, far away from the hustle and bustle of society.

- Ans
- 1. misanthrope
  - 2. pessimist
  - 3. hermit
  - 4. recluse

Question ID : 264330143137  
Status : Answered  
Chosen Option : 3

**Q.20** Select the most appropriate **ANTONYM** of the word in brackets to fill in the blank.

The gentle lapping of waves \_\_\_\_\_ (for) the shore was the only thing that could be heard.

- Ans**
- 1. across
  - 2. beneath
  - 3. pro
  - 4. against

Question ID : 264330149821  
Status : Answered  
Chosen Option : 4

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Teenage is a (1)\_\_\_\_\_ of life that everyone goes through between childhood and adulthood. During this time, teenagers go through many changes both physically and emotionally. They may experience mood swings, have difficulty expressing their feelings, and sometimes (2)\_\_\_\_\_ impulsively. Teenagers are also trying to figure out their place in the world and may face pressure from peers, parents and society to (3)\_\_\_\_\_ to certain expectations. It is important for teenagers to have a support system that allows them to explore their interests, develop their own identity and make healthy choices. Despite the challenges that come with being a teenager, it can also be an exciting and transformative time. Teenagers have the (4)\_\_\_\_\_ to learn new skills, make lifelong friends and explore new experiences that can shape their future. It is important for parents, educators and other adults to provide teenagers with guidance, support and resources that can help them (5)\_\_\_\_\_ the challenges of adolescence.

**SubQuestion No : 21**

**Q.21** Select the most appropriate option to fill in blank no. 1.

- Ans**
- 1. transition
  - 2. phase
  - 3. feeling
  - 4. milestone

Question ID : 264330149609  
Status : Answered  
Chosen Option : 2

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Teenage is a (1)\_\_\_\_\_ of life that everyone goes through between childhood and adulthood. During this time, teenagers go through many changes both physically and emotionally. They may experience mood swings, have difficulty expressing their feelings, and sometimes (2)\_\_\_\_\_ impulsively. Teenagers are also trying to figure out their place in the world and may face pressure from peers, parents and society to (3)\_\_\_\_\_ to certain expectations. It is important for teenagers to have a support system that allows them to explore their interests, develop their own identity and make healthy choices. Despite the challenges that come with being a teenager, it can also be an exciting and transformative time. Teenagers have the (4)\_\_\_\_\_ to learn new skills, make lifelong friends and explore new experiences that can shape their future. It is important for parents, educators and other adults to provide teenagers with guidance, support and resources that can help them (5)\_\_\_\_\_ the challenges of adolescence.

**SubQuestion No : 22**

**Q.22** Select the most appropriate option to fill in blank no. 2.

- Ans  1. pretend  
 2. run  
 3. play  
 4. act

Question ID : 264330149610

Status : Answered

Chosen Option : 1

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Teenage is a (1)\_\_\_\_\_ of life that everyone goes through between childhood and adulthood. During this time, teenagers go through many changes both physically and emotionally. They may experience mood swings, have difficulty expressing their feelings, and sometimes (2)\_\_\_\_\_ impulsively. Teenagers are also trying to figure out their place in the world and may face pressure from peers, parents and society to (3)\_\_\_\_\_ to certain expectations. It is important for teenagers to have a support system that allows them to explore their interests, develop their own identity and make healthy choices. Despite the challenges that come with being a teenager, it can also be an exciting and transformative time. Teenagers have the (4)\_\_\_\_\_ to learn new skills, make lifelong friends and explore new experiences that can shape their future. It is important for parents, educators and other adults to provide teenagers with guidance, support and resources that can help them (5)\_\_\_\_\_ the challenges of adolescence.

**SubQuestion No : 23**

**Q.23** Select the most appropriate option to fill in blank no. 3.

- Ans  1. certify  
 2. match  
 3. conform  
 4. appeal

Question ID : 264330149611

Status : Not Answered

Chosen Option : --

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Teenage is a (1)\_\_\_\_\_ of life that everyone goes through between childhood and adulthood. During this time, teenagers go through many changes both physically and emotionally. They may experience mood swings, have difficulty expressing their feelings, and sometimes (2)\_\_\_\_\_ impulsively. Teenagers are also trying to figure out their place in the world and may face pressure from peers, parents and society to (3)\_\_\_\_\_ to certain expectations. It is important for teenagers to have a support system that allows them to explore their interests, develop their own identity and make healthy choices. Despite the challenges that come with being a teenager, it can also be an exciting and transformative time. Teenagers have the (4)\_\_\_\_\_ to learn new skills, make lifelong friends and explore new experiences that can shape their future. It is important for parents, educators and other adults to provide teenagers with guidance, support and resources that can help them (5)\_\_\_\_\_ the challenges of adolescence.

**SubQuestion No : 24**

**Q.24** Select the most appropriate option to fill in blank no. 4.

- Ans  1. possibility  
 2. captivity  
 3. opportunity  
 4. ability

Question ID : 264330149612

Status : Answered

Chosen Option : 4

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Teenage is a (1)\_\_\_\_\_ of life that everyone goes through between childhood and adulthood. During this time, teenagers go through many changes both physically and emotionally. They may experience mood swings, have difficulty expressing their feelings, and sometimes (2)\_\_\_\_\_ impulsively. Teenagers are also trying to figure out their place in the world and may face pressure from peers, parents and society to (3)\_\_\_\_\_ to certain expectations. It is important for teenagers to have a support system that allows them to explore their interests, develop their own identity and make healthy choices. Despite the challenges that come with being a teenager, it can also be an exciting and transformative time. Teenagers have the (4)\_\_\_\_\_ to learn new skills, make lifelong friends and explore new experiences that can shape their future. It is important for parents, educators and other adults to provide teenagers with guidance, support and resources that can help them (5)\_\_\_\_\_ the challenges of adolescence.

**SubQuestion No : 25**

**Q.25** Select the most appropriate option to fill in blank no. 5.

- Ans  1. correlate  
 2. propagate  
 3. conclude  
 4. reduce

Question ID : 264330149613

Status : Answered

Chosen Option : 4

**Q.1** 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 whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/ subtracting /multiplying, etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(9, 3, 90)

(5, 4, 41)

**Ans** ✓ 1. (13, 7, 218)

✗ 2. (7, 8, 117)

✗ 3. (11, 8, 182)

✗ 4. (4, 12, 162)

Question ID : 264330150852

Status : Answered

Chosen Option : 1

**Q.2** In a certain code language, 'will come back later' is written as 'nk zs kp rq' and 'later he won it' is written as 'pj st mk kp'. How is 'later' written in the given language?

**Ans** ✗ 1. rq

✗ 2. nk

✗ 3. zs

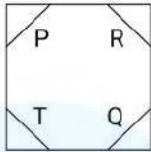
✓ 4. kp

Question ID : 264330147204

Status : Answered

Chosen Option : 4

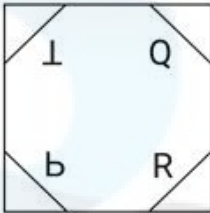
**Q.3** Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



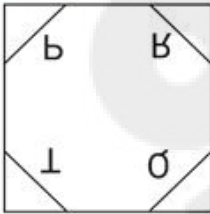
M N

Ans

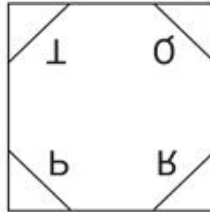
✗ 1.



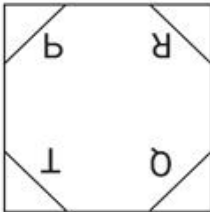
✗ 2.



✓ 3.



✗ 4.



Question ID : 264330146483

Status : Answered

Chosen Option : 3

**Q.4** 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?

$$426 \text{ A } 3 \text{ D } 12 \text{ C } 105 \text{ B } 1 = ?$$

Ans

✗ 1. 238

✗ 2. 237

✗ 3. 236

✓ 4. 235

Question ID : 264330147388

Status : Answered

Chosen Option : 4

**Q.5** What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$143 - 28 \times 4 \div 5 + 22 = ?$$

- Ans**
- 1. 156
  - 2. 149
  - 3. 167
  - 4. 142

Question ID : **264330146396**  
Status : **Answered**  
Chosen Option : **1**

**Q.6** Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

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

Blaze : Eruption

- Ans**
- 1. Bookie : Boom
  - 2. Bony : Haggard
  - 3. Boron : Bossy
  - 4. Borax : Boor

Question ID : **264330146981**  
Status : **Not Answered**  
Chosen Option : **--**

**Q.7** Based on the alphabetical order, 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?

- Ans**
- 1. RPT
  - 2. YWA
  - 3. FDH
  - 4. EJNI

Question ID : **264330146651**  
Status : **Answered**  
Chosen Option : **4**

**Q.8** In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the option in which the numbers are related in the same way as are the numbers of the following pairs.

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

9, 74

5, 18

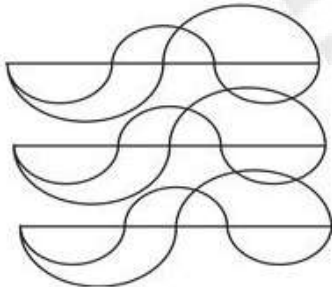
- Ans**
- 1. 8, 27
  - 2. 20, 364
  - 3. 13, 162
  - 4. 14, 106

Question ID : 264330146390

Status : Answered

Chosen Option : 3

**Q.9** How many semi circles are there in the given figure?



- Ans**
- 1. 12
  - 2. 13
  - 3. 15
  - 4. 16

Question ID : 264330146917

Status : Not Answered

Chosen Option : --

**Q.10** 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 hockeys are bats.  
All bats are racquets.  
No stick is a racquet.

Conclusions:

- (I) Some sticks are bats.  
(II) Some sticks are hockeys is a possibility.  
(III) All hockeys are racquets.

- Ans**
- 1. Only conclusion II follows
  - 2. Both conclusions I and II follow
  - 3. Both conclusions II and III follow
  - 4. Only conclusion I follows

Question ID : 264330147469  
Status : Answered  
Chosen Option : 4

**Q.11** 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?

30 B 5 C 246 A 6 D 17 = ?

- Ans**
- 1. 179
  - 2. 176
  - 3. 171
  - 4. 174

Question ID : 264330146426  
Status : Answered  
Chosen Option : 4

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

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

29 : 160  
31 : 138  
27 : 150  
21 : 120

- Ans**
- 1. 31 : 138
  - 2. 21 : 120
  - 3. 27 : 150
  - 4. 29 : 160

Question ID : 264330147023  
Status : Not Answered  
Chosen Option : --

**Q.13** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements: Some dietitians are surgeons. All surgeons are therapists. No therapist is a physician.

Conclusion (I): Some therapists are dietitians.

Conclusion (II): No dietitian is a physician.

- Ans**
- 1. Only conclusion I follows.
  - 2. Only conclusion II follows.
  - 3. Both conclusions I and II follow.
  - 4. Neither conclusion I nor II follows.

Question ID : 264330152020  
Status : Answered  
Chosen Option : 1

**Q.14** In a certain code language, 'MUZJK' is coded as 'UCHRQS' and 'BLOWZY' is coded as 'JTWEHG'. What is the code for 'SQUAWK' in the given code language?

- Ans**
- 1. AZCIES
  - 2. AYCIFS
  - 3. AYDIES
  - 4. AYCIES

Question ID : 264330147401  
Status : Answered  
Chosen Option : 4

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

283, 308, 344, ?, 457

- Ans**
- 1. 391
  - 2. 348
  - 3. 393
  - 4. 372

Question ID : 264330147439  
Status : Answered  
Chosen Option : 3

**Q.16** If 29 November 2009 is Sunday, then what will be the day of the week on 30 May 2010?

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

Question ID : 264330147085  
Status : Not Answered  
Chosen Option : --

**Q.17** The position of how many letters will remain unchanged if each of the letters in the word 'DEFORM' is arranged in alphabetical order?

- Ans**
- 1. Two
  - 2. Four
  - 3. Three
  - 4. One

Question ID : 264330147486  
Status : Answered  
Chosen Option : 3

**Q.18** In a certain code language,

A + B means 'A is the sister of B',  
A - B means 'A is the brother of B',  
A × B means 'A is the mother of B',  
A ÷ B means 'A is the father of B'.

Based on the above, how is P related to S if 'P × Q - R ÷ S + T'?

- Ans**
- 1. Father's mother
  - 2. Father's brother
  - 3. Brother
  - 4. Son's daughter

Question ID : 264330147283  
Status : Answered  
Chosen Option : 1

**Q.19** Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.

\_op\_mo\_n\_ \_pnmop\_

- Ans**
- 1. mpnmno
  - 2. mnmopn
  - 3. mnpmon
  - 4. pmnopn

Question ID : 264330147164  
Status : Answered  
Chosen Option : 3

**Q.20** In a certain code language,

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

A – B means 'A is the wife of B'

A × B means 'A is the son of B'

A ÷ B means 'A is the brother of B'

Based on the above, how is S related to L if 'L × K + D – S ÷ T'?

- Ans**
- 1. Husband's brother
  - 2. Sister's husband
  - 3. Mother's son
  - 4. Father's brother

Question ID : **264330155058**  
Status : **Answered**  
Chosen Option : **2**

**Q.21** Select the option in which the letter-clusters share the same relationship as that shared by the given pair of letter-clusters.

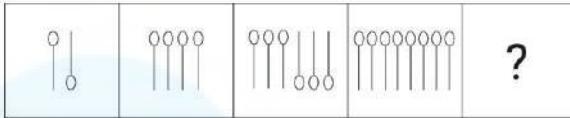
YQF : HOI

FSO : OQR

- Ans**
- 1. PJZ : YHB
  - 2. PAJ : YZL
  - 3. NEZ : UXA
  - 4. QML : ZKO

Question ID : **264330146949**  
Status : **Answered**  
Chosen Option : **3**

**Q.22** Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

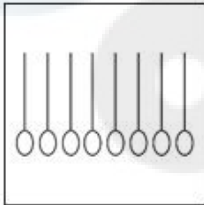


**Ans**

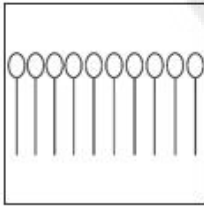
✗ 1.



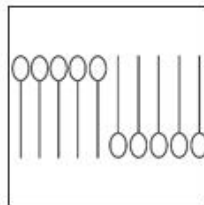
✗ 2.



✗ 3.



✓ 4.



Question ID : 264330147226  
Status : Not Answered  
Chosen Option : --

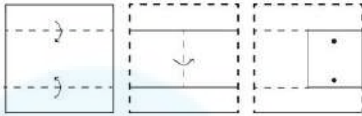
**Q.23** Four triads of numbers have been given out of which three are alike in some manner and one is different. Select the one that is different.

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

- Ans**
- ✗ 1. 25 – 45 – 65
  - ✗ 2. 8 – 28 – 48
  - ✗ 3. 38 – 58 – 78
  - ✓ 4. 17 – 27 – 67

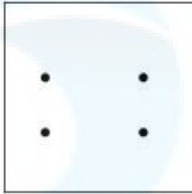
Question ID : 264330152446  
Status : Not Answered  
Chosen Option : --

**Q.24** 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?

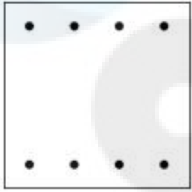


**Ans**

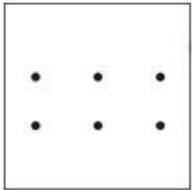
✗ 1.



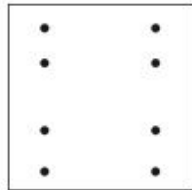
✗ 2.



✗ 3.



✓ 4.



Question ID : 264330147040  
 Status : Answered  
 Chosen Option : 4

**Q.25** In a certain code language, EU324 is written as LN361 and HR529 is written as OK576. How will GS625 be written in that language?

**Ans**

✗ 1. LM756

✗ 2. LN676

✗ 3. MN756

✓ 4. NL676

Question ID : 264330146336  
 Status : Not Answered  
 Chosen Option : --

Section : Quantitative Aptitude

**Q.1** In an isosceles right-angled triangle, the perimeter is 30 m. Find its area (in  $m^2$ ). (Rounded off to the nearest integral value)

- Ans**
- 1. 41
  - 2. 36
  - 3. 39
  - 4. 34

Question ID : 264330149448  
Status : Answered  
Chosen Option : 3

**Q.2** How many kilograms of rice costing ₹52 per kg must be mixed with 35 kg of rice costing ₹45 per kg so as to get a gain of 10% by selling the resulting mixture of rice at the rate of ₹55 per kg?

- Ans**
- 1. 87.5kg
  - 2. 90.0kg
  - 3. 85.0kg
  - 4. 82.5kg

Question ID : 264330147887  
Status : Answered  
Chosen Option : 1

**Q.3** A copper wire is bent in the form of a square and it encloses an area of  $30.25 \text{ cm}^2$ . If the same wire is bent to form a circle, then find the area of the circle.

[Use  $\pi = \frac{22}{7}$ .]

- Ans**
- 1.  $38.50 \text{ cm}^2$
  - 2.  $42.25 \text{ cm}^2$
  - 3.  $35 \text{ cm}^2$
  - 4.  $30.25 \text{ cm}^2$

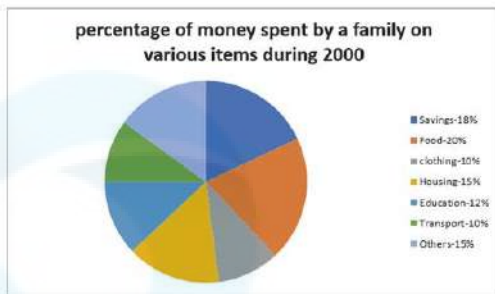
Question ID : 264330149267  
Status : Not Answered  
Chosen Option : --

**Q.4** Upon selling an article at  $\frac{3}{7}$  of the marked price, a loss of 30% is incurred. What is the ratio between the marked price and the cost price of the article?

- Ans**
- 1. 48 : 60
  - 2. 49 : 30
  - 3. 25 : 37
  - 4. 50 : 80

Question ID : 264330149422  
Status : Answered  
Chosen Option : 2

**Q.5** The pie chart given here shows the spending by a family on various items during the year 2000. Study the graph and answer these questions.



The ratio of the total amount of money spent on housing to that spent on education was:

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

Question ID : 264330151151  
Status : Answered  
Chosen Option : 2

**Q.6** A shopkeeper publishes a list of prices which are 60% above the CP. He proposes to give 20% discount. How much profit does he really make?

- Ans**
- 1. 35%
  - 2. 22%
  - 3. 18%
  - 4. 28%

Question ID : 264330148237  
Status : Answered  
Chosen Option : 4

**Q.7** A can do a work in 18 days and B in 24 days. If they work on it together for 5 days, then find the fraction of the work which is left.

- Ans**
- 1.  $\frac{35}{72}$
  - 2.  $\frac{7}{72}$
  - 3.  $\frac{37}{72}$
  - 4.  $\frac{33}{72}$

Question ID : 264330147628  
Status : Answered  
Chosen Option : 3

**Q.8** Ranjeet buys 1 kg potato for ₹20 and sells it for ₹25. He also uses a weight of 800 gm in place of 1 kg. What is Ranjeet's actual profit percentage on the sale of 1 kg potato?

- Ans**
- 1. 56.75%
  - 2. 56.25%
  - 3. 55.75%
  - 4. 57.25%

Question ID : 264330147896  
Status : Answered  
Chosen Option : 2

**Q.9** If  $\tan 2\theta = \cot(\theta - 36^\circ)$ , where  $2\theta$  is an acute angle, then the value of  $\theta$  is:

- Ans**
- 1.  $18^\circ$
  - 2.  $36^\circ$
  - 3.  $30^\circ$
  - 4.  $42^\circ$

Question ID : 264330148876  
Status : Answered  
Chosen Option : 4

**Q.10** In  $\triangle ABC$ ,  $\overline{BD} \perp \overline{AC}$ , intersecting  $\overline{AC}$  at D. Also,  $BD = 12$  cm. If  $m(\overline{AD}) = 6$  cm and  $m(\overline{CD}) = 4$  cm, find the area (in  $\text{cm}^2$ ) of  $\triangle ABC$ .

- Ans**
- 1. 45
  - 2. 50
  - 3. 60
  - 4. 75

Question ID : 264330146815  
Status : Answered  
Chosen Option : 3

**Q.11** If  $(a + b + c) = 17$ , and  $(a^2 + b^2 + c^2) = 115$ , find the value of  $(a + b)^2 + (b + c)^2 + (c + a)^2$ .

- Ans**
- 1. 402
  - 2. 408
  - 3. 394
  - 4. 404

Question ID : 264330146852  
Status : Answered  
Chosen Option : 4

**Q.12**  $\Delta ABC$  is an isosceles triangle with angle  $ABC = 90^\circ$  and  $AB = BC$ . If  $AC = 12$  cm, then the length of  $BC$  (in cm) is equal to:

- Ans**
- 1.  $6\sqrt{2}$
  - 2. 8
  - 3. 6
  - 4.  $8\sqrt{2}$

Question ID : 264330148826  
Status : Answered  
Chosen Option : 1

**Q.13** A deposited ₹1,56,250 at 8% simple interest for 2 years. How much more money will A have in his account at the end of two years, if at the same rate of interest the sum is invested in compound interest, compounded annually

- Ans**
- 1. ₹1,740.90
  - 2. ₹1,000
  - 3. ₹2,000
  - 4. ₹1,540.40

Question ID : 264330150751  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.14** Simplify:

$$\frac{(379 + 276)^2 + (379 - 276)^2}{379 \times 379 + 276 \times 276}$$

- Ans**
- 1. 2
  - 2. 655
  - 3. 103
  - 4. 1

Question ID : 264330150562  
Status : Answered  
Chosen Option : 1

**Q.15** What is the value of  $p$ , if,  $25(4 + 3p) \div 5 - 3 \times 8 = 26$ ?

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

Question ID : 264330147776  
Status : Answered  
Chosen Option : 4

Q.16 If  $\tan(90 - \theta) = \frac{2}{\sqrt{3}}$ , then the value of  $2\sqrt{3} \tan \theta + 1$  is:

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

Question ID : 264330149466  
Status : Answered  
Chosen Option : 1

Q.17 O is the centre of a circle with a diameter of 16 cm. Q is a point outside the circle and QS is tangent to the circle at point S. If OQ is = 17 cm, what is the length (in cm) of the tangent QS?

- Ans
- 1. 15
  - 2. 12
  - 3. 18
  - 4. 10

Question ID : 264330147800  
Status : Answered  
Chosen Option : 1

Q.18 Find the third proportional to 8 and 20.

- Ans
- 1. 25
  - 2. 50
  - 3. 40
  - 4. 64

Question ID : 264330148091  
Status : Answered  
Chosen Option : 2

Q.19 10<sup>th</sup> class of 40 students took a Maths test. 25 students had an average score of 60. The other students had an average score of 80. What is the average score of the whole class?

- Ans
- 1. 66.5
  - 2. 65.5
  - 3. 67.5
  - 4. 68.5

Question ID : 264330148188  
Status : Answered  
Chosen Option : 2

**Q.20** Find the third proportion of P and 12, when 8, P, 16 and 18 are in proportion.

- Ans**  1. 16  
 2. 8  
 3. 18  
 4. 12

Question ID : 264330147965  
Status : Answered  
Chosen Option : 1

**Q.21** Directions: The following table gives the production of cookers by four plants of a company over the five years. Study the table and answer the questions that follow.

Year	Production ( in thousands)			
	Plant 1	Plant 2	Plant 3	Plant 4
2018	35	25	40	45
2019	43	44	44	40
2020	48	39	36	30
2021	32	40	35	48
2022	42	44	30	42

Which plant had the maximum average production in these five years?

- Ans**  1. Plant 3  
 2. Plant 4  
 3. Plant 2  
 4. Plant 1

Question ID : 264330148857  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.22** Given below is the observed data of the age of various boys. Study the table carefully and answer the question that follows.

Age in years	Number of children (Boys)
5	8
6	3
7	7
8	2
9	20

Calculate the mean age of the boys.

- Ans**  1. 6.57  
 2. 9.57  
 3. 7.57  
 4. 8.57

Question ID : 264330149208  
Status : Answered  
Chosen Option : 4

Q.23 Simplify:

$$(2a - 3b - c)^2 - (a + 2b + c)^2$$

Ans

1.  $3a^2 + 5b^2 - 16ab + 2bc - 8ac$

2.  $3a^2 + 5b^2 - 8ab + 2bc - 6ac$

3.  $3a^2 + 5b^2 - 16ab - 6ac$

4.  $3a^2 + 5b^2 - 16ab + 2bc - 6ac$

Question ID : 264330148776

Status : Not Answered

Chosen Option : --

Q.24 In one hour, a boat goes 12 km along the stream and 8 km against the stream. What is the speed of the boat in still water (in km/h)?

Ans

1. 8

2. 12

3. 10

4. 9

Question ID : 264330151122

Status : Not Answered

Chosen Option : --

Q.25 If  $\sec \theta + \tan \theta = 5$ , then  $\sin \theta =$  \_\_\_\_\_.

Ans

1. 0

2.  $\frac{13}{12}$

3.  $\frac{12}{13}$

4.  $\frac{1}{5}$

Question ID : 264330149329

Status : Answered

Chosen Option : 3

Section : General Awareness

Q.1 Film actress Hema Malini is a trained \_\_\_\_\_ dancer.

- Ans
- 1. Bharatanatyam
  - 2. Kathakali
  - 3. Kuchipudi
  - 4. Kathak

Question ID : 264330145769  
Status : Answered  
Chosen Option : 1

Q.2 Who among the following Indian tennis players won the men's doubles title at the Bangkok Open Challenger held at Nonthaburi, Thailand in January 2023?

- Ans
- 1. Arjun Kadhe and Saketh Myneni
  - 2. Yuki Bhambri and Saketh Myneni
  - 3. Rohan Bopanna and Ramkumar Ramanathan
  - 4. Prithvi Sekhar and Dhananjay Dubey

Question ID : 264330146282  
Status : Answered  
Chosen Option : 2

Q.3 Rajaram was the leader of which of the following revolts against the Mughals?

- Ans
- 1. Satnami
  - 2. Bundela
  - 3. Jat
  - 4. Munda

Question ID : 264330148576  
Status : Not Answered  
Chosen Option : --

Q.4 Which of the following states of India still uses the ancient bamboo drip irrigation method?

- Ans
- 1. Telangana
  - 2. Meghalaya
  - 3. Maharashtra
  - 4. Chhattisgarh

Question ID : 264330155077  
Status : Answered  
Chosen Option : 2

**Q.5** The Family Courts (Amendment) Act 2022 has amended the Family Courts Act, 1984. The Act allows \_\_\_\_\_ to establish Family Courts.

- Ans**
- 1. District Courts
  - 2. State Governments
  - 3. Union Government
  - 4. District Collector

Question ID : 264330145953  
Status : Not Answered  
Chosen Option : --

**Q.6** Who founded the Arya Samaj and pleaded for the right of individuals to interpret Vedas and free themselves from the tyranny of priests?

- Ans**
- 1. Raja Ram Mohan Roy
  - 2. RG Bhandarkar
  - 3. Swami Dayananda Saraswati
  - 4. MG Ranade

Question ID : 264330150709  
Status : Not Answered  
Chosen Option : --

**Q.7** What is the popular name for mercury(I) chloride which is used as a laboratory reagent and as a depolarizer in dry batteries?

- Ans**
- 1. Calomel
  - 2. Phosgene
  - 3. Galena
  - 4. Saltpetre

Question ID : 264330145580  
Status : Answered  
Chosen Option : 3

**Q.8** निम्नलिखित में से किसे समानांतर अर्थव्यवस्था का हिस्सा माना जा सकता है?

- Ans**
- 1. अल्प घोषित आय
  - 2. गृहिणी द्वारा किए गए घरेलू कार्य का मूल्य
  - 3. घरेलू सहायकों अथवा हाउसकीपर के लिए किए जाने वाले भुगतान
  - 4. निजी ट्यूशन के लिए किए जाने वाले भुगतान

Question ID : 264330145851  
Status : Not Answered  
Chosen Option : --

**Q.9** In the context of ecology, the given equation shows the relationship between the size of an area and the number of species present in it. Accordingly, by which letter is the regression coefficient denoted?

$$\log S = \log C + Z \log A$$

- Ans**
- 1. S
  - 2. A
  - 3. Z
  - 4. C

Question ID : **264330145622**  
Status : **Not Answered**  
Chosen Option : --

**Q.10** Which of the following hypothesis was propounded by Harry Hammond Hess in 1962 ?

- Ans**
- 1. Continental Drift hypothesis
  - 2. Sea floor spreading hypothesis
  - 3. Gaia hypothesis
  - 4. Geographical cycle hypothesis

Question ID : **264330145640**  
Status : **Not Answered**  
Chosen Option : --

**Q.11** Which of the following statements is correct about Article 43 B of the Indian Constitution ?

- Ans**
- 1. It was added in the 44th Constitutional Amendment.
  - 2. It is related to cooperative society.
  - 3. It is related with the right of livelihood.
  - 4. It was added in 2002.

Question ID : **264330145940**  
Status : **Answered**  
Chosen Option : 2

**Q.12** Which of the following is NOT the first day event in the decathlon?

- Ans**
- 1. Discus throw
  - 2. Shot put
  - 3. 100 metre dash
  - 4. 400 metre dash

Question ID : **264330145892**  
Status : **Not Answered**  
Chosen Option : --

**Q.13** In the women's category, which athlete won the bronze medal at the 2023 Asian 20 km Walking Championships held in Nomi, Japan?

- Ans**
- 1. Manju Rani
  - 2. Priyanka Goswami
  - 3. Bhawna Jat
  - 4. Khushbir Kaur

Question ID : **264330146275**  
Status : **Not Answered**  
Chosen Option : --

**Q.14** Which of the following is the famous festival of Andhra Pradesh?

- Ans**
- 1. Kanuma
  - 2. Elephanta
  - 3. Bonalu
  - 4. Konark

Question ID : **264330148674**  
Status : **Answered**  
Chosen Option : 1

**Q.15** The second annual session of Indian National Congress was held at which of the following places?

- Ans**
- 1. Bombay
  - 2. Delhi
  - 3. Calcutta
  - 4. Madras

Question ID : **264330148582**  
Status : **Not Answered**  
Chosen Option : --

**Q.16** Yamini Krishnamurthy, a legendary figure of Indian classical dance, was honoured with the \_\_\_\_\_ in 2016.

- Ans**
- 1. Saraswati Samman
  - 2. Padma Vibhushan
  - 3. Moortidevi Award
  - 4. Bharat Ratna

Question ID : **264330151261**  
Status : **Answered**  
Chosen Option : 2

Q.17 Silicon doped with gallium forms \_\_\_\_\_.

- Ans
- 1. n-type semiconductor
  - 2. superconductor
  - 3. insulator
  - 4. p-type semiconductor

Question ID : 264330145818  
Status : Not Answered  
Chosen Option : --

Q.18 Bismillah Khan played which of the following musical instruments?

- Ans
- 1. Sitar
  - 2. Shehnai
  - 3. Tabla
  - 4. Harmonium

Question ID : 264330148677  
Status : Answered  
Chosen Option : 2

Q.19 Match the following items with respect to money.

**List I**

- i. Primary functions
- ii. Secondary functions
- iii. Evils of money
- iv. Contingent functions

**List II**

- a. Distribution of national income
- b. Measure of value
- c. Store of value
- d. Instability of value

- Ans
- 1. i-d, ii-c, iii-a, iv-b
  - 2. i-a, ii-d, iii-b, iv-c
  - 3. i-c, ii-b, iii-a, iv-d
  - 4. i-b, ii-c, iii-d, iv-a

Question ID : 264330146118  
Status : Not Answered  
Chosen Option : --

**Q.20** निम्नलिखित में से कौन-सा भारतीय संविधान में एक मौलिक कर्तव्य नहीं है?

- Ans**
- 1. सार्वजनिक संपत्ति की रक्षा करना
  - 2. देश की संप्रभुता को बनाए रखना और उसकी रक्षा करना
  - 3. सद्भाव और भाईचारे की भावना को बढ़ावा देना
  - 4. स्मारकों की रक्षा करना

Question ID : 264330145926  
Status : Not Answered  
Chosen Option : --

**Q.21** During a boom, the deficit of the government will reduce automatically due to \_\_\_\_\_.

- Ans**
- 1. increase in tax revenue
  - 2. Increase in GDP
  - 3. decrease in tax revenue
  - 4. decrease in GDP

Question ID : 264330145871  
Status : Not Answered  
Chosen Option : --

**Q.22** What percentage of the Indian population was estimated to be living below the poverty line in 2011-12?

- Ans**
- 1. 25.6%
  - 2. 10.9%
  - 3. 15.6%
  - 4. 21.9%

Question ID : 264330150286  
Status : Not Answered  
Chosen Option : --

**Q.23** The Himalayan Mountains act as an effective climatic divide by protecting the subcontinent from:

- Ans**
- 1. cold northern winds
  - 2. warm southern winds
  - 3. cyclonic winds
  - 4. western disturbances

Question ID : 264330149356  
Status : Not Answered  
Chosen Option : --

**Q.24** Which of these is NOT one of the common goals of five year plans?

- Ans**
- 1. Self-reliance
  - 2. Modernisation
  - 3. Globalisation
  - 4. Growth

Question ID : **264330144707**  
Status : **Answered**  
Chosen Option : **4**

**Q.25** The novel Self-Help Group Bank Linkage Program (SHG-BLP) project which grew into a dominant micro finance model, was piloted by \_\_\_\_\_.

- Ans**
- 1. NABARD
  - 2. MFI
  - 3. IRDA
  - 4. SEBI

Question ID : **264330144674**  
Status : **Answered**  
Chosen Option : **1**