

**SSC CHSL 2022**  
**Tier 1 Question Paper**  
**10th March 2023**  
**(Shift 3)**

**Combined Higher Secondary Level Examination Tier I 2022**

Roll Number	
Candidate Name	
Venue Name	
Exam Date	10/03/2023
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2022 Tier I

Section : **English Language**

**Q.1** Select the most appropriate meaning of the given idiom.  
**Ace in the hole**

- Ans ☒ 1. To create noisy disturbances so that competitors are unable to work.
- ☒ 2. A major advantage that one keeps hidden until an ideal time.
- ☒ 3. To attempt to do the impossible.
- ☒ 4. To suffer an injury on the lower body.

Question ID : 264330125854

Status : **Answered**

Chosen Option : 1

**Q.2** Choose the word that means the same as the given word.  
**Calibrate**

- Ans ☒ 1. Gauze
- ☒ 2. Assail
- ☒ 3. Gauge
- ☒ 4. Affront

Question ID : 264330124312

Status : **Answered**

Chosen Option : 3

**Q.3** Fill in the blank with an appropriate option.  
The social \_\_\_\_\_ is going to meet with all of us tomorrow with the plans so we can make a decision.

- Ans ☒ 1. army
- ☒ 2. worker
- ☒ 3. toddler
- ☒ 4. labour

Question ID : 264330124677

Status : **Answered**

Chosen Option : 2

**Q.4** Parts of the following sentence are given as options. Identify the part that contains a grammatical error. If there is no error, select 'No error'.  
He has been / told many a times to / mind his manners.

- Ans ☒ 1. No error
- ☒ 2. He has been
- ☒ 3. told many a times to
- ☒ 4. mind his manners.

Question ID : 264330125840

Status : **Answered**

Chosen Option : 3



Q.5 Fill in the blank with an appropriate option.

In humans, lack of sleep leads to \_\_\_\_\_ memory and reduced cognitive abilities.

- Ans ☒ 1. attended  
☒ 2. impaired  
☒ 3. thankless  
☒ 4. witnessed

Question ID : 264330124444

Status : Marked For Review

Chosen Option : 4

Q.6 The given sentence is in active voice. Change the voice of the sentence. Select the correct option from the sentences given in options.

The story explores the conflicting range of human emotions.

- Ans ☒ 1. The conflicting range of human emotions had explored by the story.  
☒ 2. The conflicting range of human emotions did explored by the story.  
☒ 3. The conflicting range of human emotions is explored by the story.  
☒ 4. The conflicting range of human emotions has explored by the story.

Question ID : 264330125837

Status : Answered

Chosen Option : 3

Q.7 Some parts of one or more sentences have been jumbled up, and labelled A, B, C and D. Select the option that gives the correct sequence in which these parts can be rearranged to form a meaningful and grammatically correct sentence.

At Paris, just after dark

- A. of meditation and a meerschaum, in company  
B. one gusty evening in the autumn  
C. of 18, I was enjoying the twofold luxury  
D. with my friend Auguste Dupin, in his little back library

- Ans ☒ 1. CDBA  
☒ 2. ADBC  
☒ 3. BCAD  
☒ 4. DCBA

Question ID : 264330125743

Status : Answered

Chosen Option : 3

Q.8 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

I just don't like the themes of todays music.

- Ans ☒ 1. No error  
☒ 2. I just don't  
☒ 3. like the themes of  
☒ 4. todays music.

Question ID : 264330124603

Status : Answered

Chosen Option : 4



Q.9 Select the most appropriate one-word substitution for the given group of words.  
A man who is womanish in his habits

- Ans ☒ 1. Effeminate  
☒ 2. Indictment  
☒ 3. Hooch  
☒ 4. Infidel

Question ID : 264330125805  
Status : Marked For Review  
Chosen Option : 4

Q.10 Rearrange the parts of the sentence in correct order.  
P. more stringent mobility control and physical distancing policies  
Q. East Asian governments (except for Japan) implemented  
R. as well as more comprehensive testing, tracing  
S. and isolation policies since the early stages

- Ans ☒ 1. PSRQ  
☒ 2. QPRS  
☒ 3. PRSQ  
☒ 4. QSPR

Question ID : 264330124612  
Status : Answered  
Chosen Option : 2

Q.11 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.  
Over and above

- Ans ☒ 1. Above all  
☒ 2. To sum up the conversation  
☒ 3. In addition to  
☒ 4. Highest rank

Question ID : 264330124617  
Status : Answered  
Chosen Option : 1

Q.12 Fill in the blank with an appropriate option.  
In this engineering design project you will learn how to build an infinity mirror, with built-in lights that make the mirror look like a deep \_\_\_\_\_ with no end.

- Ans ☒ 1. tunnel  
☒ 2. lodge  
☒ 3. funeral  
☒ 4. signal

Question ID : 264330124210  
Status : Answered  
Chosen Option : 4

Q.13 Choose the word that can substitute the given group of words.  
Book giving information about everything

- Ans ☒ 1. Dictionary  
☒ 2. Encyclopedia  
☒ 3. Phonebook  
☒ 4. Thesis

Question ID : 264330124231  
Status : Answered  
Chosen Option : 2



Q.14 Select the word that is closest in meaning (SYNONYM) to the word given below.  
**WHIMSICAL**

- Ans ☒ 1. WEAK  
☒ 2. RESPECTFUL  
☒ 3. HUMILIATED  
☒ 4. FUNNY

Question ID : 264330125782  
Status : Answered  
Chosen Option : 3

Q.15 Choose the word that means the same as the given word.  
**Instigate**

- Ans ☒ 1. Deterrence  
☒ 2. Settle  
☒ 3. Raise  
☒ 4. Complaisance

Question ID : 264330124623  
Status : Answered  
Chosen Option : 4

Q.16 Choose the word that is opposite in meaning to the given word.  
**Inept**

- Ans ☒ 1. Wanting  
☒ 2. Competent  
☒ 3. Barred  
☒ 4. Callow

Question ID : 264330124277  
Status : Answered  
Chosen Option : 2

Q.17 Choose the incorrectly spelt word.

- Ans ☒ 1. Practical  
☒ 2. Glowing  
☒ 3. Released  
☒ 4. Frighter

Question ID : 264330124619  
Status : Answered  
Chosen Option : 4

Q.18 Choose the sentence with no spelling error.

- Ans ☒ 1. The joy definitely lies in cooking for others.  
☒ 2. The joy definitely lyes in cooking for others.  
☒ 3. The joy defintely lies in cooking for others.  
☒ 4. The joy definitely lies in cokking for others.

Question ID : 264330124620  
Status : Answered  
Chosen Option : 1



**Q.19** Choose the word that can substitute the given group of words.  
A lover of oneself, of one's advancement

- Ans ☒ 1. Philistine  
☒ 2. Mercenary  
☒ 3. Cynic  
☒ 4. Egoist

Question ID : 264330124335  
Status : Answered  
Chosen Option : 4

**Q.20** Select the correct indirect form of the given sentence.  
Gloria said, "His relatives are landing tomorrow."

- Ans ☒ 1. Gloria said that his relatives are landing the next day.  
☒ 2. Gloria said that his relatives were landing the previous day.  
☒ 3. Gloria said that his relatives were landing the next day.  
☒ 4. Gloria said that his relatives have been landing the next day.

Question ID : 264330124602  
Status : Answered  
Chosen Option : 3

**Comprehension:**

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.  
People may seek fashion as part of (1) \_\_\_\_\_ they are and may want to be a fashion lover, which may lead them to spend more time (2) \_\_\_\_\_ out the latest fashion trends and more money than others on fashion products. We all know the good feeling that goes (3) \_\_\_\_\_ walking out of a store with a new shade of lipstick or after ordering a killer pair of boots online. They call it retail therapy for a reason, and more than one scientific study has (4) \_\_\_\_\_ its effectiveness. Shopping takes time and concentration, whether it is being done online (5) \_\_\_\_\_ in your favourite store.

**SubQuestion No : 21**

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

- Ans ☒ 1. which  
☒ 2. whom  
☒ 3. whose  
☒ 4. who

Question ID : 264330124606  
Status : Answered  
Chosen Option : 2



**Comprehension:**

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.  
People may seek fashion as part of (1) \_\_\_\_\_ they are and may want to be a fashion lover, which may lead them to spend more time (2) \_\_\_\_\_ out the latest fashion trends and more money than others on fashion products. We all know the good feeling that goes (3) \_\_\_\_\_ walking out of a store with a new shade of lipstick or after ordering a killer pair of boots online. They call it retail therapy for a reason, and more than one scientific study has (4) \_\_\_\_\_ its effectiveness. Shopping takes time and concentration, whether it is being done online (5) \_\_\_\_\_ in your favourite store.

**SubQuestion No : 22****Q.22 Select the most appropriate option to fill in blank number 2.**

- Ans ☒ 1. freaking  
☒ 2. seeking  
☒ 3. doing  
☒ 4. making

Question ID : 264330124607

Status : Answered

Chosen Option : 4

**Comprehension:**

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.  
People may seek fashion as part of (1) \_\_\_\_\_ they are and may want to be a fashion lover, which may lead them to spend more time (2) \_\_\_\_\_ out the latest fashion trends and more money than others on fashion products. We all know the good feeling that goes (3) \_\_\_\_\_ walking out of a store with a new shade of lipstick or after ordering a killer pair of boots online. They call it retail therapy for a reason, and more than one scientific study has (4) \_\_\_\_\_ its effectiveness. Shopping takes time and concentration, whether it is being done online (5) \_\_\_\_\_ in your favourite store.

**SubQuestion No : 23****Q.23 Select the most appropriate option to fill in blank number 3.**

- Ans ☒ 1. off in  
☒ 2. within  
☒ 3. up in  
☒ 4. along with

Question ID : 264330124608

Status : Not Answered

Chosen Option : --

**Comprehension:**

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.  
People may seek fashion as part of (1) \_\_\_\_\_ they are and may want to be a fashion lover, which may lead them to spend more time (2) \_\_\_\_\_ out the latest fashion trends and more money than others on fashion products. We all know the good feeling that goes (3) \_\_\_\_\_ walking out of a store with a new shade of lipstick or after ordering a killer pair of boots online. They call it retail therapy for a reason, and more than one scientific study has (4) \_\_\_\_\_ its effectiveness. Shopping takes time and concentration, whether it is being done online (5) \_\_\_\_\_ in your favourite store.

**SubQuestion No : 24****Q.24 Select the most appropriate option to fill in blank number 4.**

- Ans ☒ 1. held back  
☒ 2. summed up  
☒ 3. backed up  
☒ 4. sold on

Question ID : 264330124609

Status : Answered

Chosen Option : 2



**Comprehension:**

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

People may seek fashion as part of (1) \_\_\_\_\_ they are and may want to be a fashion lover, which may lead them to spend more time (2) \_\_\_\_\_ out the latest fashion trends and more money than others on fashion products. We all know the good feeling that goes (3) \_\_\_\_\_ walking out of a store with a new shade of lipstick or after ordering a killer pair of boots online. They call it retail therapy for a reason, and more than one scientific study has (4) \_\_\_\_\_ its effectiveness. Shopping takes time and concentration, whether it is being done online (5) \_\_\_\_\_ in your favourite store.

**SubQuestion No : 25**

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

Ans ☒ 1. if

☒ 2. and

☒ 3. or

☒ 4. so

Question ID : 264330124610

Status : **Answered**

Chosen Option : 3

Section : **General Intelligence**

**Q.1** In the following question, four number pairs are given. In each pair the number on left side of(–) is related to the number of the right side of(–) with some Logic/Rule /Relation. Three pairs are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.(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. 3846 – 4856

☒ 2. 4892 – 5902

☒ 3. 4328 – 5348

☒ 4. 3264 – 4274

Question ID : 264330127470

Status : **Answered**

Chosen Option : 3





**Q.2** If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?



**Ans**

✗ 1.



✗ 2.



✓ 3.



✗ 4.



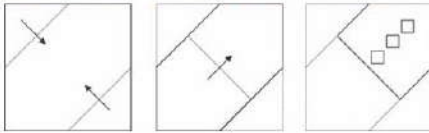
Question ID : 264330126837

Status : Answered

Chosen Option : 3

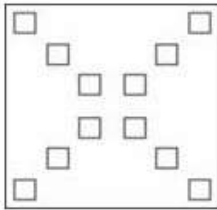


**Q.3** The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

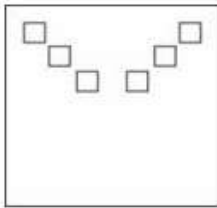


**Ans**

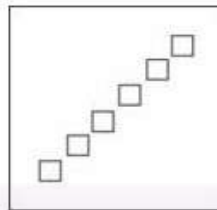
✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question ID : 264330127661

Status : Answered

Chosen Option : 3

**Q.4** In a certain code language, 'WENT' is coded as '2769', 'CORN' is coded as '8941', 'TIRE' is coded as '4652', 'OATS' is coded as '2380'. What is the code for 'OAI' in that code language?

**Ans**

✗ 1. 905

✗ 2. 836

✗ 3. 935

✓ 4. 835

Question ID : 264330127273

Status : Not Attempted and  
Marked For Review

Chosen Option : --



Q.5 By Interchanging the given two numbers (Not digits) which of the following equation will be correct?  
4 and 6

- Ans ☒ 1.  $18 \times 7 \div 6 - 4 = 17$   
☒ 2.  $4 + 6 \times 2 - 3 = 9$   
☒ 3.  $6 \div 2 - 4 \times 3 = -16$   
☒ 4.  $6 \div 3 + 9 - 4 = 7$

Question ID : 264330126715

Status : Answered

Chosen Option : 3

Q.6 Select the option in which the numbers share the same relationship in set as that shared by the numbers in the given 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)  
(58, 29, 174)  
(62, 33, 190)

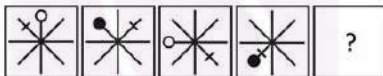
- Ans ☒ 1. (68, 43, 140)  
☒ 2. (44, 17, 172)  
☒ 3. (52, 13, 244)  
☒ 4. (74, 31, 210)

Question ID : 264330127268

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.7 Select the figure from the given options that can replace the question mark (?) in the following series.



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 264330127283

Status : Answered

Chosen Option : 1



Q.8 एक लड़के की तस्वीर की ओर इशारा करते हुए मोहन ने कहा, "वह मेरी माँ के पति का भाई है"। वह लड़का मोहन से किस प्रकार संबंधित है?

- Ans
- ☐ 1. ससुर
  - ☐ 2. भतीजा
  - ☐ 3. पुत्र
  - ☒ 4. चाचा

Question ID : 264330127277  
Status : Answered  
Chosen Option : 4

Q.9 Select the option that is related to the fourth number in the same way as the first number is related to the second number and fifth number is related to sixth number.  
12 : 216 :: ? : 729 :: 24 : 1728

- Ans
- ☐ 1. 12
  - ☐ 2. 16
  - ☒ 3. 18
  - ☐ 4. 9

Question ID : 264330126941  
Status : Answered  
Chosen Option : 3

Q.10 In the given word pairs, the first word is related to the second word following a certain logic. Study the given pairs carefully, and from the given options, select the pair that follows the same logic.  
Asthma : Lungs

- Ans
- ☐ 1. Arthritis : Heart
  - ☐ 2. Liver : Anxiety
  - ☐ 3. Conjunctivitis : Ears
  - ☒ 4. Cataract : Eyes

Question ID : 264330127478  
Status : Answered  
Chosen Option : 4

Q.11 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Conclude
2. Constitution
3. Connect
4. Consent
5. Consign

- Ans
- ☐ 1. 1, 3, 5, 4, 2
  - ☐ 2. 1, 2, 3, 4, 5
  - ☒ 3. 1, 3, 4, 5, 2
  - ☐ 4. 1, 3, 4, 2, 5

Question ID : 264330127546  
Status : Answered  
Chosen Option : 3



**Q.12** Words given on the left side of (::) are related with each other by some Logic/Rule /Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.

Chapter : Book :: Seat belt : ?

- Ans
- ☒ 1. Circle
  - ☒ 2. Blade
  - ☒ 3. Car
  - ☒ 4. Sew

Question ID : 264330127125

Status : Answered

Chosen Option : 3

**Q.13** In the following question, select the related letters from the given alternatives.  
ZM : XK :: YL : ?

- Ans
- ☒ 1. YJ
  - ☒ 2. RJ
  - ☒ 3. WJ
  - ☒ 4. XJ

Question ID : 264330127049

Status : Answered

Chosen Option : 3

**Q.14** Select the option in which the numbers share the same relationship in set as that shared by the numbers in the given set. (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)  
(38, 172, 314)  
(42, 176, 318)

- Ans
- ☒ 1. (56, 190, 330)
  - ☒ 2. (12, 136, 278)
  - ☒ 3. (18, 152, 294)
  - ☒ 4. (32, 166, 318)

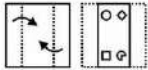
Question ID : 264330127117

Status : Not Attempted and  
Marked For Review

Chosen Option : --

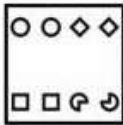


**Q.15** A piece of paper is folded and punched as shown below in the question figures, indicate how it will appear when opened?

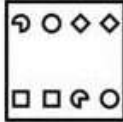


Ans

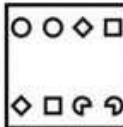
✗ 1.



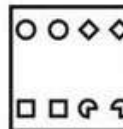
✗ 2.



✗ 3.



✓ 4.



Question ID : 264330127261

Status : Answered

Chosen Option : 4

**Q.16** Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

\_bc\_efa\_cd\_fa\_c\_ef\_bc\_ef

Ans

✗ 1. abbebdad

✗ 2. adbebbad

✓ 3. adbebdad

✗ 4. addebdad

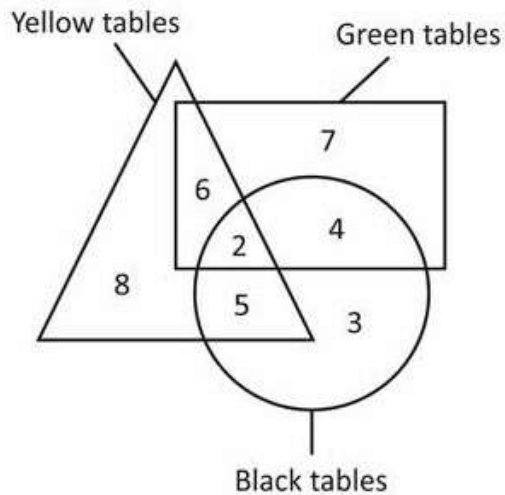
Question ID : 264330127276

Status : Answered

Chosen Option : 3



Q.17 How many black tables are there?



- Ans
- ☐ 1. 9
  - ☐ 2. 8
  - ☐ 3. 7
  - ☒ 4. 14

Question ID : 264330126963

Status : Answered

Chosen Option : 4

Q.18 In a certain code language, 'ENDED' is coded as 'GRJMN'. What is the code for 'PLAYS' in that code language?

- Ans
- ☐ 1. RPFCC
  - ☒ 2. RPGGC
  - ☐ 3. RPPGD
  - ☐ 4. RDGFC

Question ID : 264330127272

Status : Answered

Chosen Option : 2

Q.19 In the following question some statements are given, followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

- I. No J is R
- II. No R is C.

Conclusions:

- I. All J are C.
- II. Some R are J.
- III. All C are R.

- Ans
- ☐ 1. Only conclusion I follows
  - ☐ 2. Only conclusion III follows
  - ☐ 3. Only conclusion II follows
  - ☒ 4. None of the conclusion follows

Question ID : 264330127281

Status : Answered

Chosen Option : 4



Q.20 Three of the following words are alike in a certain way and one is different. Pick the word that is different from the rest.

- Ans ☒ 1. Geology  
☒ 2. Neurology  
☒ 3. Dermatology  
☒ 4. Gynaecology

Question ID : 264330127555  
Status : Answered  
Chosen Option : 1

Q.21 In the following question, select the odd letter/letters from the given alternatives.

- Ans ☒ 1. JJLP  
☒ 2. DDFK  
☒ 3. TTVZ  
☒ 4. RRTX

Question ID : 264330127279  
Status : Answered  
Chosen Option : 2

Q.22 If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 264330127087  
Status : Answered  
Chosen Option : 2

Q.23 If  $40 @ 2 \# 3 = 83$  and  $60 @ 2 \# 5 = 125$ , then  $39 \# 13 @ 5 = ?$

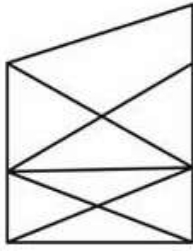
- Ans ☒ 1. 122  
☒ 2. 114  
☒ 3. 138  
☒ 4. 104

Question ID : 264330127039  
Status : Answered  
Chosen Option : 4





Q.24 How many triangles are there in the given figure?



- Ans
- ☒ 1. 18
  - ☒ 2. 12
  - ☒ 3. 14
  - ☒ 4. 16

Question ID : 264330126959  
Status : Answered  
Chosen Option : 4

Q.25 In the following question, select the missing number from the given series.  
61, 88, 142, 223, 331, ?

- Ans
- ☒ 1. 466
  - ☒ 2. 468
  - ☒ 3. 472
  - ☒ 4. 476

Question ID : 264330127044  
Status : Not Attempted and  
Marked For Review  
Chosen Option : --

Section : Quantitative Aptitude

Q.1 P alone can complete a piece of work in 10 days while Q alone can complete the same piece of work in 15 days. To complete the work in 4 days, R is hired by P and Q. How many days does R take to complete the work alone ?

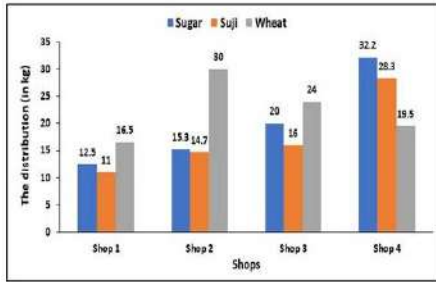
- Ans
- ☒ 1. 6 days
  - ☒ 2. 8 days
  - ☒ 3. 9 days
  - ☒ 4. 12 days

Question ID : 264330128539  
Status : Answered  
Chosen Option : 4



**Q.2** The following bar graph shows the distribution (in kg) of Sugar, Wheat and Suji, sold by four shops 1,2,3 and 4, on 1st September 2021.

The quantity of wheat sold by shop 1, shop 3 and shop 4 together is what percentage of the total sugar sold by all 4 shops ?



- Ans
- ✓ 1. 75%
  - ✗ 2. 65%
  - ✗ 3. 68%
  - ✗ 4. 72%

Question ID : 264330128563  
Status : Answered  
Chosen Option : 1

**Q.3**

If  $\theta = 45^\circ$ , then what is the value of  $2 \operatorname{cosec}^2 \theta + 3 \sec^2 \theta$  ?

- Ans
- ✓ 1. 10
  - ✗ 2. 5
  - ✗ 3. 9
  - ✗ 4. 8

Question ID : 264330128209  
Status : Answered  
Chosen Option : 1

**Q.4** The table given below shows the salary of 6 employees of a company.

Employees	Salary
L	350
M	800
N	500
O	400
P	600
Q	450

What is the ratio of salary of L and M together to the salary of P and Q together?

- Ans
- ✓ 1. 23 : 21
  - ✗ 2. 17 : 18
  - ✗ 3. 4 : 23
  - ✗ 4. 23 : 19

Question ID : 264330128135  
Status : Answered  
Chosen Option : 1



**Q.5** Of the 5 subjects, the average marks of Rakesh in first 3 subjects was 75 and the average marks in the last 3 subjects was 82. If his marks in the third subject was 66, then what was his average marks in all the 5 subjects?

- Ans**
- ☒ 1. 76
  - ☒ 2. 84
  - ☒ 3. 80
  - ☒ 4. 81

Question ID : 264330128267  
Status : Answered  
Chosen Option : 4

**Q.6** The sum of three consecutive even numbers is 126. What is the product of the smallest and the largest numbers?

- Ans**
- ☒ 1. 1840
  - ☒ 2. 1950
  - ☒ 3. 1760
  - ☒ 4. 1620

Question ID : 264330128281  
Status : Answered  
Chosen Option : 3

**Q.7** Sides of a triangle are 12 cm, 9 cm and 9 cm. What is the radius of the circumcircle of this triangle?

- Ans**
- ☒ 1.  $181/\sqrt{5}$
  - ☒ 2.  $27/\sqrt{5}$
  - ☒ 3.  $(27\sqrt{5})/10$
  - ☒ 4.  $54/\sqrt{5}$

Question ID : 264330128276  
Status : Answered  
Chosen Option : 3

**Q.8** Three circles of radius 7 cm are placed in such a way that each circle touches the other two. What will be the area of the portion enclosed by these three circles?

- Ans**
- ☒ 1.  $49\sqrt{3} - 77 \text{ cm}^2$
  - ☒ 2.  $40\sqrt{3} - 66 \text{ cm}^2$
  - ☒ 3.  $50\sqrt{3} - 66 \text{ cm}^2$
  - ☒ 4.  $55\sqrt{3} - 77 \text{ cm}^2$

Question ID : 264330128266  
Status : Not Attempted and Marked For Review  
Chosen Option : --



**Q.9** The profit earned by selling a jacket for Rs. 9610 is equal to the loss incurred by selling the same jacket for Rs. 7690. What should be the selling price of the jacket to earn 10 percent profit?

- Ans**
- ☒ 1. Rs. 9256
  - ☒ 2. Rs. 9275
  - ☒ 3. Rs. 9416
  - ☒ 4. Rs. 9515

Question ID : 264330127945  
Status : Answered  
Chosen Option : 4

**Q.10** Weight of Ayush and Abhishek are in the ratio of 8 : 5. Abhishek's weight increases by 40 percent and total weight of Ayush and Abhishek both increases by 60 percent. If total weight becomes 104 kg, then what is the weight of Ayush after the increment?

- Ans**
- ☒ 1. 60 kg
  - ☒ 2. 75 kg
  - ☒ 3. 69 kg
  - ☒ 4. 72 kg

Question ID : 264330128269  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.11** If  $\frac{(15)^2 + (4)^2}{(15^2 + 4^2 - k)} = 19$ , then what is the value of K?

- Ans**
- ☒ 1. -60
  - ☒ 2. 120
  - ☒ 3. 60
  - ☒ 4. -120

Question ID : 264330127954  
Status : Answered  
Chosen Option : 3

**Q.12** Which of the following is the smallest among  $(14)^{\frac{1}{3}}, (12)^{\frac{1}{2}}, (16)^{\frac{1}{6}}$  &  $(25)^{\frac{1}{12}}$ ?

- Ans**
- ☒ 1.  $(14)^{\frac{1}{3}}$
  - ☒ 2.  $(25)^{\frac{1}{12}}$
  - ☒ 3.  $(16)^{\frac{1}{6}}$
  - ☒ 4.  $(12)^{\frac{1}{2}}$

Question ID : 264330127730  
Status : Answered  
Chosen Option : 2



**Q.13** In a mixture, milk and water are in ratio of 1 : 4. Some milk is added to the mixture because of which ratio of milk and water becomes 2 : 1. How much milk was added as a percentage of initial mixture?

- Ans**
- ☒ 1. 140 percent
  - ☐ 2. 700 percent
  - ☐ 3. 240 percent
  - ☐ 4. 400 percent

Question ID : 264330128271  
Status : Answered  
Chosen Option : 2

**Q.14** The marked price of an article is 20 percent more than its cost price. What maximum discount percentage can be offered by the shopkeeper to sell his article so that there is no loss?

- Ans**
- ☒ 1. 16.66 percent
  - ☐ 2. 12.56 percent
  - ☐ 3. 15.33 percent
  - ☐ 4. 13.33 percent

Question ID : 264330127943  
Status : Answered  
Chosen Option : 1

**Q.15** If  $x^2 + \frac{1}{x^2} = 38$ , then what is the value of  $x - \frac{1}{x}$  ?

- Ans**
- ☒ 1. 6
  - ☐ 2. 7
  - ☐ 3. 8
  - ☐ 4. 10

Question ID : 264330128053  
Status : Answered  
Chosen Option : 1

**Q.16** What is the value of an angle subtended by a chord at the centre of the circle, if the angle subtended by this chord at the circumference is  $66^\circ$  ?

- Ans**
- ☐ 1.  $90^\circ$
  - ☐ 2.  $66^\circ$
  - ☒ 3.  $132^\circ$
  - ☐ 4.  $33^\circ$

Question ID : 264330128373  
Status : Answered  
Chosen Option : 3



Q.17 If  $a + b + c = 0$ , then what is the value of  $a^3 + b^3 + c^3$ ?

- Ans
- ☐ 1.  $abc$
  - ☐ 2.  $2abc$
  - ☐ 3.  $4abc$
  - ☒ 4.  $3abc$

Question ID : 264330128277  
Status : Answered  
Chosen Option : 4

Q.18 If  $\sin \theta = \sqrt{3} \cos \theta$ , then what is the value of  $\frac{3 \sin^2 \theta + \cos \theta}{2 \cos \theta + 5}$ ?

- Ans
- ☐ 1.  $19/25$
  - ☐ 2.  $18/5$
  - ☒ 3.  $11/24$
  - ☐ 4.  $3/2$

Question ID : 264330128283  
Status : Answered  
Chosen Option : 3

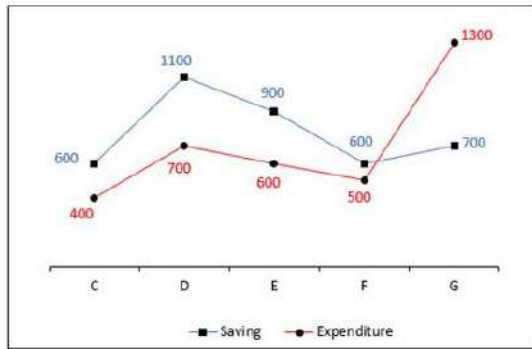
Q.19 If  $\sin (C + D) = \sqrt{3}/2$  and  $\sec (C - D) = 2/\sqrt{3}$  then what is the value of C and D?

- Ans
- ☒ 1. 45 degree and 15 degree
  - ☐ 2. 30 degree and 30 degree
  - ☐ 3. 15 degree and 30 degree
  - ☐ 4. 60 degree and 30 degree

Question ID : 264330127882  
Status : Answered  
Chosen Option : 1



**Q.20** The line chart given below shows the saving and expenditure of 5 companies C, D, E, F and G.



$$\text{Income} = \text{Saving} + \text{Expenditure}$$

What is the ratio of total expenditure to the total incomes of all the companies?

- Ans**
- ☒ 1. 31 : 71
  - ☒ 2. 74 : 35
  - ☒ 3. 71 : 31
  - ☒ 4. 35 : 74

Question ID : 264330128335

Status : Answered

Chosen Option : 4

**Q.21** Nutan gets two offers of loan from a bank and an app. The app offered Rs.10,000 at 15 Percent per annum compounded annually for 2 years and the bank offered the same amount at the same rate and for the same time but on simple interest. Find the difference between the interests.

- Ans**
- ☒ 1. Rs.375
  - ☒ 2. Rs.400
  - ☒ 3. Rs.250
  - ☒ 4. Rs.225

Question ID : 264330128547

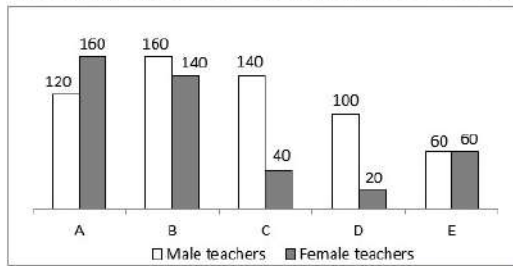
Status : Answered

Chosen Option : 4





**Q.22** The bar graph given below shows the number of male teacher and female teachers in 5 schools.



$K_1$  = The total number of male teachers in all the 5 schools.

$K_2$  = The total number of female teachers in all the 5 schools.

What is the value of  $(K_1 - K_2)$ ?

- Ans** ✓ 1. 160  
✗ 2. 140  
✗ 3. 180  
✗ 4. 200

Question ID : 264330127962

Status : Answered

Chosen Option : 1

**Q.23** Length of direct common tangent is 24 cm for two circles whose radii are 16 cm and 6 cm. What is the distance between their centres?

- Ans** ✓ 1. 26 cm  
✗ 2. 23 cm  
✗ 3. 28 cm  
✗ 4. 32 cm

Question ID : 264330128274

Status : Answered

Chosen Option : 1

**Q.24** Radius of a circle is 18 cm. Angle made by chord AB at the centre of this circle is 60 degree. What is the length of this chord?

- Ans** ✗ 1. 36 cm  
✓ 2. 18 cm  
✗ 3. 27 cm  
✗ 4. 9 cm

Question ID : 264330127873

Status : Answered

Chosen Option : 2

**Q.25** Vivek starts moving at the speed of 70 km/hr at 8:00 am. Neeraj starts moving in the same direction after 4 hours of Vivek at the speed of 120 km/hr. Which of the following statement(s) is/are correct?

- I. Neeraj and Vivek meet each other at 5:36 pm.  
II. Total distance covered by both Neeraj and Vivek till 4 pm is 1080 km.

- Ans** ✗ 1. Neither I nor II  
✗ 2. Only II  
✗ 3. Both I and II  
✓ 4. Only I

Question ID : 264330128265

Status : Answered

Chosen Option : 4





## Section : General awareness

Q.1 Which article of the Indian constitution is related with the Separation of judiciary from executive?

- Ans
- ☐ 1. 41
  - ☐ 2. 51
  - ☐ 3. 40
  - ☒ 4. 50

Question ID : 264330125053  
Status : Answered  
Chosen Option : 4

Q.2 World Bank approved USD 350 million aid in May 2022 for the "Systems Reform Endeavors for Transformed Health Achievement" (SRESTHA) for \_\_\_\_\_ state in India.

- Ans
- ☒ 1. Gujarat
  - ☐ 2. Punjab
  - ☐ 3. Himachal Pradesh
  - ☐ 4. Bihar

Question ID : 264330125638  
Status : Not Answered  
Chosen Option : --

Q.3 The \_\_\_\_\_ of a ray is the angle measured from the reflected ray to the normal surface.

- Ans
- ☐ 1. Angle of Diffusion
  - ☒ 2. Angle of Reflection
  - ☐ 3. Angle of Incidence
  - ☐ 4. Angle of Refraction

Question ID : 264330125367  
Status : Answered  
Chosen Option : 2

Q.4 \_\_\_\_\_ won the Japanese Formula 1 Grand Prix 2022.

- Ans
- ☐ 1. Charles Leclerc
  - ☐ 2. Sergio Perez
  - ☒ 3. Max Verstappen
  - ☐ 4. Carlos Sainz Jr.

Question ID : 264330125581  
Status : Answered  
Chosen Option : 3

Q.5 Which city existed in the Indus valley civilization?

- Ans
- ☐ 1. Dwarka
  - ☒ 2. Harappa
  - ☐ 3. Sanchi
  - ☐ 4. Muziris

Question ID : 264330125374  
Status : Answered  
Chosen Option : 2



Q.6 The JALDOOT application launched in September 2022 is used by Gram Rojgar Sahyak to measure \_\_\_\_\_.

- Ans
- ☒ 1. Rainfall
  - ☒ 2. water level in well
  - ☒ 3. crop yield
  - ☒ 4. Humidity

Question ID : 264330125712  
Status : Not Answered  
Chosen Option : --

Q.7 In which year was the Arms Act passed in India?

- Ans
- ☒ 1. 1951
  - ☒ 2. 1955
  - ☒ 3. 1959
  - ☒ 4. 1964

Question ID : 264330125379  
Status : Not Answered  
Chosen Option : --

Q.8 \_\_\_\_\_ is the key circuit board holding the essential processing parts of a computer.

- Ans
- ☒ 1. Firmware
  - ☒ 2. Central Processing Unit
  - ☒ 3. Random Access Memory
  - ☒ 4. Motherboard

Question ID : 264330125359  
Status : Answered  
Chosen Option : 4

Q.9 Which is the highest plateau in the world?

- Ans
- ☒ 1. East African Plateau
  - ☒ 2. Deccan plateau
  - ☒ 3. Western plateau
  - ☒ 4. Tibet plateau

Question ID : 264330124920  
Status : Not Answered  
Chosen Option : --

Q.10 Which of the following is not a regional name for East Coast (or part of it) of India?

- Ans
- ☒ 1. Coromandel Coast
  - ☒ 2. Tamil Nadu coast
  - ☒ 3. Utkal coast
  - ☒ 4. Malabar Coast

Question ID : 264330125720  
Status : Not Answered  
Chosen Option : --



Q.11 \_\_\_\_\_ is an ancient martial art that originated in peninsular India as a part of military training for warriors.

- Ans
- ☐ 1. Gatka
  - ☐ 2. Muay Thai
  - ☒ 3. Kalaripayattu
  - ☐ 4. Karate

Question ID : 264330125657  
Status : Not Answered  
Chosen Option : --

Q.12 In October 2022, which among the following substances was mapped in abundance for the first time, by Chandrayaan-2, on moon?

- Ans
- ☐ 1. Hydrogen
  - ☐ 2. Chlorine
  - ☐ 3. Oxygen
  - ☒ 4. Sodium

Question ID : 264330125639  
Status : Not Answered  
Chosen Option : --

Q.13 Davis Cup is related with which of the following sports?

- Ans
- ☐ 1. Table Tennis
  - ☐ 2. Cricket
  - ☐ 3. Basketball
  - ☒ 4. Tennis

Question ID : 264330125230  
Status : Not Answered  
Chosen Option : --

Q.14 Who wrote the famous novel "Durgeshnandini"?

- Ans
- ☐ 1. Rabindranath Tagore
  - ☐ 2. Ishwar Chandra Vidyasagar
  - ☒ 3. Bankim Chandra Chatterjee
  - ☐ 4. Sarat Chandra Chattopadhyay

Question ID : 264330125652  
Status : Not Answered  
Chosen Option : --

Q.15 Which among the following is correct about Reverse Repo Rate?

- Ans
- ☐ 1. Reverse Repo Rate is a state in which the Value of Money is Falling and the Prices are rising, over a period of time.
  - ☒ 2. When bank deposit its excess money in RBI then RBI provides some interest to that bank. This interest is known as Reverse Repo Rate.
  - ☐ 3. When RBI provides a loan to the bank for short-term between 1 to 90 days, RBI takes some interest from the bank which is termed as Reverse Repo Rate.
  - ☐ 4. When the money is borrowed or lent for more than a day up to 14 days it is called Reverse Repo Rate.

Question ID : 264330125641  
Status : Not Answered  
Chosen Option : --



Q.16 The plains from Ambala to the Sunderban stretch over nearly 1800 km, but the fall in its slope is hardly \_\_\_\_\_ metres.

- Ans ☒ 1. 550  
☒ 2. 300  
☒ 3. 600  
☒ 4. 450

Question ID : 264330125047  
Status : Not Answered  
Chosen Option : --

Q.17 In which of the following modes of data transmission, can the data flow in both directions but in only one direction at a time?

- Ans ☒ 1. Half-duplex  
☒ 2. Simplex  
☒ 3. Full-duplex  
☒ 4. Quarter-duplex

Question ID : 264330125033  
Status : Not Answered  
Chosen Option : --

Q.18 Which among the following is the highest peak in India?

- Ans ☒ 1. Kanchenjunga  
☒ 2. Nanga Parbat  
☒ 3. Nanda Devi  
☒ 4. Namcha Barwa

Question ID : 264330125648  
Status : Answered  
Chosen Option : 1

Q.19 In October 2022, according to UN Multidimensional Poverty Index (MPI), which country has the largest number of poor people worldwide?

- Ans ☒ 1. Nigeria  
☒ 2. Indonesia  
☒ 3. Pakistan  
☒ 4. India

Question ID : 264330124912  
Status : Answered  
Chosen Option : 3

Q.20 Neelima performs Kalbeliya dance form. Which state does this dance form belong to?

- Ans ☒ 1. Punjab  
☒ 2. Rajasthan  
☒ 3. Uttarakhand  
☒ 4. Odisha

Question ID : 264330125410  
Status : Answered  
Chosen Option : 2



Q.21 Which of the following music instruments are solid instruments?

- Ans ☒ 1. Tata Vadya  
☒ 2. Ghana Vadya  
☒ 3. Avanaddha Vadya  
☒ 4. Sushira Vadya

Question ID : 264330125061  
Status : Not Answered  
Chosen Option : --

Q.22 Pradhan Mantri Jan Arogya Yojana (PM-JAY) is the ambitious program launched by Government of India in 2018 to provide \_\_\_\_\_ access to the most vulnerable sections.

- Ans ☒ 1. healthcare  
☒ 2. services  
☒ 3. agricultural  
☒ 4. industrial

Question ID : 264330125365  
Status : Answered  
Chosen Option : 1

Q.23 A ball possesses 3000 units of momentum. What would be the ball's new momentum if its velocity was doubled?

- Ans ☒ 1. 3000 units  
☒ 2. 6000 units  
☒ 3. 20000 units  
☒ 4. 9000 units

Question ID : 264330125369  
Status : Answered  
Chosen Option : 2

Q.24 Who among the following appointed Aziz Khummar a wine distiller to high administrative post?

- Ans ☒ 1. Alauddin Khalji  
☒ 2. Muhammad Tughluq  
☒ 3. Jalaluddin Khalji  
☒ 4. Firuz Shah Tughluq

Question ID : 264330125050  
Status : Not Answered  
Chosen Option : --

Q.25 Which among the following is a bacterial disease?

- Ans ☒ 1. Rabies  
☒ 2. Leprosy  
☒ 3. Malaria  
☒ 4. Ebola

Question ID : 264330125643  
Status : Not Attempted and Marked For Review  
Chosen Option : --



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