

## Combined Higher Secondary Level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	Dr. Ghanshyam Singh College Of Education
Exam Date	11/08/2023
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2023 Tier I

Section : English Language

**Q.1** Select the most appropriate homophone to fill in the blank.

The shareholders are planning to \_\_\_\_\_ control of the company from the current directors.

- Ans
- 1. roost
  - 2. roast
  - 3. wrest
  - 4. rest

Question ID : 264330148943  
Status : Answered  
Chosen Option : 3

**Q.2** Identify the INCORRECTLY spelt word in the following sentence.  
Research has proved that meteors have largely destructed and impacked earth.

- Ans
- 1. impacked
  - 2. Research
  - 3. proved
  - 4. destructed

Question ID : 264330141311  
Status : Answered  
Chosen Option : 1

**Q.3** Select the most appropriate option that can substitute the underlined words in the given sentence.

No less than eight pedestrians were killed in the accident.

- Ans
- 1. No few than
  - 2. None less than
  - 3. No fewer than
  - 4. No lesser than

Question ID : 264330142567  
Status : Answered  
Chosen Option : 3

Q.4 Select the most appropriate ANTONYM of the given word from the following sentence.

Leisure

He was relaxing and enjoying last week in Spain but now he is working hard for the firm.

- Ans
- 1. enjoying
  - 2. working
  - 3. relaxing
  - 4. hard

Question ID : 264330141298  
Status : Answered  
Chosen Option : 2

Q.5 Select the option that expresses the following sentence in active voice.

A remarkable discovery was made by the scientist.

- Ans
- 1. The scientist made a remarkable discovery.
  - 2. The discovery made by the scientist was remarkable.
  - 3. The remarkable scientist made a discovery.
  - 4. A remarkable discovery is made by the scientist.

Question ID : 264330148718  
Status : Answered  
Chosen Option : 1

Q.6 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.

He speaks pleasantly / with her yesterday / evening but not today.

- Ans
- 1. He speaks pleasantly
  - 2. with her yesterday
  - 3. No error
  - 4. evening but not today.

Question ID : 264330150432  
Status : Answered  
Chosen Option : 1

Q.7 Given below are four jumbled sentences. Select the option that gives their correct logical sequence.

A) The young lion tore through the formation and decimated the enemy lines.

B) The enemy soldiers panicked and started killing each other.

C) It is said that he used a weapon with a hallucinating agent that created a chimera of hundreds of Abhimanyus.

D) Seeing the rout they were facing, young Abhimanyu led a powerful counterattack.

- Ans
- 1. CDAB
  - 2. DACB
  - 3. ACBD
  - 4. ABCD

Question ID : 264330149908  
Status : Answered  
Chosen Option : 2

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

**A person who does not believe in the existence of God**

**Ans** ✓ 1. Atheist

✗ 2. Priest

✗ 3. Theist

✗ 4. Satan

Question ID : 264330144375  
Status : Answered  
Chosen Option : 1

**Q.9** Select the most appropriate active form of the given sentence.

**The movie was directed by the famous filmmaker and produced by the studio.**

**Ans** ✓ 1. The famous filmmaker directed the movie and the studio produced it.

✗ 2. The movie was being directed by the famous filmmaker and produced by the studio.

✗ 3. The movie was directed and produced by the famous filmmaker and the studio.

✗ 4. The famous filmmaker and the studio collaborated to make the movie.

Question ID : 264330149598  
Status : Answered  
Chosen Option : 1

**Q.10** Select the most appropriate option that can substitute the underlined segment in the given sentence.

**Though Ravi is silent and reserved, he has got a finger in every pie.**

**Ans** ✗ 1. special interest in certain things

✓ 2. involved in many things

✗ 3. an opinion of his own

✗ 4. a cold attitude toward everything

Question ID : 264330143991  
Status : Answered  
Chosen Option : 2

**Q.11** Select the option with the correct spellings to replace the underlined words in the given sentence.

**He exhibitad his senseles behaviour at that conference.**

**Ans** ✗ 1. exhibited; sansesless

✓ 2. exhibited; senseless

✗ 3. exhibited; senseless

✗ 4. exhebitad; sansesless

Question ID : 264330143245  
Status : Answered  
Chosen Option : 2

**Q.12** Select the most appropriate synonym of the underlined word in the given sentence.  
She became frantic as she lost her purse on the busy streets of the markets.

- Ans
- 1. Hectic
  - 2. Composed
  - 3. Audacious
  - 4. Agitated

Question ID : 264330143215  
Status : Answered  
Chosen Option : 4

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

How do you think the internet has influenced how we utilise news and media?

- Ans
- 1. has managed the patterns we ingest
  - 2. has revoked the way we interact
  - 3. has maintained how we receive
  - 4. has impacted the way we consume

Question ID : 264330144142  
Status : Answered  
Chosen Option : 4

**Q.14** Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

- (P) and the challenges faced in its
- (Q) the report discusses
- (R) the state of renewable energy
- (S) implementation along with potential solutions

- Ans
- 1. QSRP
  - 2. QRPS
  - 3. RQPS
  - 4. PQRS

Question ID : 264330144199  
Status : Answered  
Chosen Option : 2

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

Meenakshi called out for the neighbourhood to get support for her campaign.

- Ans
- 1. called by the neighbourhood
  - 2. called of the neighbourhood
  - 3. called in the neighbourhood
  - 4. called around the neighbourhood

Question ID : 264330143630  
Status : Answered  
Chosen Option : 4

Q.16 Select the most appropriate synonym of the given word.

Indispensable

- Ans
- 1. Destructive
  - 2. Imperative
  - 3. Drastic
  - 4. Invariable

Question ID : 264330144242  
Status : Answered  
Chosen Option : 4

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

- Ans
- 1. Move
  - 2. Pacify
  - 3. Instigate
  - 4. Escalate

Question ID : 264330143143  
Status : Answered  
Chosen Option : 2

Q.18 Select the most appropriate option that can substitute the underlined words in the given sentence.

After he let the cat out of the bag about the surprise party, it was no longer a secret.

- Ans
- 1. murmur in the ears
  - 2. reveal a confidential information
  - 3. show off to his friends
  - 4. take the gifts and brag

Question ID : 264330144167  
Status : Answered  
Chosen Option : 2

Q.19 Select the most appropriate synonym of the given word.  
Fervour

- Ans
- 1. Apathy
  - 2. Hatred
  - 3. Enthusiasm
  - 4. Disgust

Question ID : 264330143939  
Status : Answered  
Chosen Option : 3

**Q.20** Select the most appropriate option that can substitute the underlined segment in the given sentence.

He tends to put off doing his work until the last minute, leaving important tasks unfinished and causing himself unnecessary stress.

- Ans**
- 1. decline
  - 2. adjourn
  - 3. procrastinate
  - 4. dwindle

Question ID : 264330143139  
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.

If there was such a thing as perfect food, eggs would be a \_\_\_\_\_ (1) \_\_\_\_\_. They are readily available, easy to cook, affordable and packed \_\_\_\_\_ (2) \_\_\_\_\_ protein. An egg is meant to be something that has all the right ingredients to grow an organism, so obviously, it is very nutrient-dense. Eating eggs alongside other food can \_\_\_\_\_ (3) \_\_\_\_\_ our bodies absorb more vitamins too. For example, one study found that adding an egg to a salad can increase how much vitamin E we get from the salad. But for decades, eating eggs has also been controversial due to their \_\_\_\_\_ (4) \_\_\_\_\_ cholesterol content—which some studies have linked to an increased risk of heart disease. Cholesterol, a yellowish fat produced in our liver and intestines, can be found in every one of our body's cells. We \_\_\_\_\_ (5) \_\_\_\_\_ think of it as 'bad'. But cholesterol is a crucial building block in our cell membranes. It also is needed for the body to make vitamin D and the hormones testosterone and oestrogen.

**SubQuestion No : 21**

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

- Ans**
- 1. contender
  - 2. compete
  - 3. contend
  - 4. quickly

Question ID : 264330149827  
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.

If there was such a thing as perfect food, eggs would be a \_\_\_\_\_ (1) \_\_\_\_\_. They are readily available, easy to cook, affordable and packed \_\_\_\_\_ (2) \_\_\_\_\_ protein. An egg is meant to be something that has all the right ingredients to grow an organism, so obviously, it is very nutrient-dense. Eating eggs alongside other food can \_\_\_\_\_ (3) \_\_\_\_\_ our bodies absorb more vitamins too. For example, one study found that adding an egg to a salad can increase how much vitamin E we get from the salad. But for decades, eating eggs has also been controversial due to their \_\_\_\_\_ (4) \_\_\_\_\_ cholesterol content—which some studies have linked to an increased risk of heart disease. Cholesterol, a yellowish fat produced in our liver and intestines, can be found in every one of our body's cells. We \_\_\_\_\_ (5) \_\_\_\_\_ think of it as 'bad'. But cholesterol is a crucial building block in our cell membranes. It also is needed for the body to make vitamin D and the hormones testosterone and oestrogen.

**SubQuestion No : 22**

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

Ans  1. for

2. with

3. on

4. at

Question ID : 264330149828

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.

If there was such a thing as perfect food, eggs would be a \_\_\_\_\_ (1) \_\_\_\_\_. They are readily available, easy to cook, affordable and packed \_\_\_\_\_ (2) \_\_\_\_\_ protein. An egg is meant to be something that has all the right ingredients to grow an organism, so obviously, it is very nutrient-dense. Eating eggs alongside other food can \_\_\_\_\_ (3) \_\_\_\_\_ our bodies absorb more vitamins too. For example, one study found that adding an egg to a salad can increase how much vitamin E we get from the salad. But for decades, eating eggs has also been controversial due to their \_\_\_\_\_ (4) \_\_\_\_\_ cholesterol content—which some studies have linked to an increased risk of heart disease. Cholesterol, a yellowish fat produced in our liver and intestines, can be found in every one of our body's cells. We \_\_\_\_\_ (5) \_\_\_\_\_ think of it as 'bad'. But cholesterol is a crucial building block in our cell membranes. It also is needed for the body to make vitamin D and the hormones testosterone and oestrogen.

**SubQuestion No : 23**

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

Ans  1. interrogate

2. abate

3. questioned

4. help

Question ID : 264330149829

Status : Answered

Chosen Option : 4

**Comprehension:**

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

If there was such a thing as perfect food, eggs would be a \_\_\_\_\_ (1) \_\_\_\_\_. They are readily available, easy to cook, affordable and packed \_\_\_\_\_ (2) \_\_\_\_\_ protein. An egg is meant to be something that has all the right ingredients to grow an organism, so obviously, it is very nutrient-dense. Eating eggs alongside other food can \_\_\_\_\_ (3) \_\_\_\_\_ our bodies absorb more vitamins too. For example, one study found that adding an egg to a salad can increase how much vitamin E we get from the salad. But for decades, eating eggs has also been controversial due to their \_\_\_\_\_ (4) \_\_\_\_\_ cholesterol content—which some studies have linked to an increased risk of heart disease. Cholesterol, a yellowish fat produced in our liver and intestines, can be found in every one of our body's cells. We \_\_\_\_\_ (5) \_\_\_\_\_ think of it as 'bad'. But cholesterol is a crucial building block in our cell membranes. It also is needed for the body to make vitamin D and the hormones testosterone and oestrogen.

**SubQuestion No : 24**

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

- Ans**
- 1. low
  - 2. medium
  - 3. ideal
  - 4. high

Question ID : 264330149830

Status : Answered

Chosen Option : 4

**Comprehension:**

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

If there was such a thing as perfect food, eggs would be a \_\_\_\_\_ (1) \_\_\_\_\_. They are readily available, easy to cook, affordable and packed \_\_\_\_\_ (2) \_\_\_\_\_ protein. An egg is meant to be something that has all the right ingredients to grow an organism, so obviously, it is very nutrient-dense. Eating eggs alongside other food can \_\_\_\_\_ (3) \_\_\_\_\_ our bodies absorb more vitamins too. For example, one study found that adding an egg to a salad can increase how much vitamin E we get from the salad. But for decades, eating eggs has also been controversial due to their \_\_\_\_\_ (4) \_\_\_\_\_ cholesterol content—which some studies have linked to an increased risk of heart disease. Cholesterol, a yellowish fat produced in our liver and intestines, can be found in every one of our body's cells. We \_\_\_\_\_ (5) \_\_\_\_\_ think of it as 'bad'. But cholesterol is a crucial building block in our cell membranes. It also is needed for the body to make vitamin D and the hormones testosterone and oestrogen.

**SubQuestion No : 25**

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

- Ans**
- 1. normally
  - 2. remotely
  - 3. excitedly
  - 4. intermittently

Question ID : 264330149831

Status : Answered

Chosen Option : 1



**Q.1** H is the father of M. M is the brother of C. C is the daughter of I and married to F. D is the daughter of C. Z is the daughter of M.  
How is H related to I?

- Ans**
- 1. Husband
  - 2. Sister
  - 3. Brother
  - 4. Son

Question ID : 264330146098  
Status : Answered  
Chosen Option : 4

**Q.2** Select the number from among the given options that can replace the question mark (?) in the following series.

183, 173, 153, 123, 83, ?

- Ans**
- 1. 43
  - 2. 33
  - 3. 23
  - 4. 53

Question ID : 264330146889  
Status : Answered  
Chosen Option : 2

**Q.3** Which letter-cluster should come in place of ? in the given series based on the English alphabetical order?

HTD, DPZ, ?, VHR, RDN

- Ans**
- 1. ZLX
  - 2. XMW
  - 3. ZLV
  - 4. YMV

Question ID : 264330147072  
Status : Answered  
Chosen Option : 3

**Q.4** In a certain code language, 'WASTE' is coded as '60' and 'BRANDED' is coded as '84'. What is the code for 'CEILINGFANS' in the given code language?

- Ans**
- 1. 128
  - 2. 132
  - 3. 120
  - 4. 148

Question ID : 264330147406  
Status : Answered  
Chosen Option : 2

**Q.5** 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?

31 C 48 B 7 D 322 A 23 = ?

- Ans**
- 1. 349
  - 2. 351
  - 3. 353
  - 4. 359

Question ID : 264330146431  
Status : Answered  
Chosen Option : 3

**Q.6** Select the option in which the letter-clusters share the same relationship as that shared by the given pair of letter-clusters.

EAT : IEX

TGX : XKB

- Ans**
- 1. NBP : RXT
  - 2. QMF : UQJ
  - 3. MIB : RMF
  - 4. JKM : NPI

Question ID : 264330146953  
Status : Answered  
Chosen Option : 2

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

71, 74, 72, 75, 73, 76, ?

- Ans**
- 1. 75
  - 2. 74
  - 3. 77
  - 4. 78

Question ID : 264330146890  
Status : Answered  
Chosen Option : 2

**Q.8** Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which of the following does NOT belong to that group?

- Ans**
- 1. KMQ
  - 2. BDH
  - 3. YAE
  - 4. JLN

Question ID : 264330146965  
Status : Answered  
Chosen Option : 4

**Q.9** Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

\_QRS\_QRSPQ\_SPQ\_S

- Ans**
- 1. PPRR
  - 2. PQRS
  - 3. PPQQ
  - 4. RRSQ

Question ID : **264330147056**  
Status : **Answered**  
Chosen Option : **1**

**Q.10** If 19 June 2001 is Tuesday, then what will be the day of the week on 14 August 2007?

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

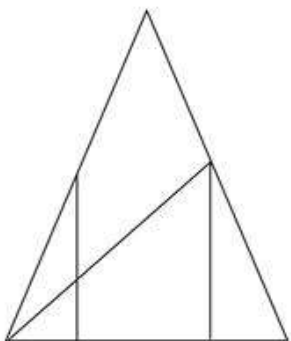
Question ID : **264330146642**  
Status : **Marked For Review**  
Chosen Option : **3**

**Q.11** OLFE is related to NKED in a certain way based on the English alphabetical order. In the same way, VHNS is related to UGMR. To which of the following is XBOP related following the same logic?

- Ans**
- 1. YDRT
  - 2. YCPQ
  - 3. WANO
  - 4. WCNQ

Question ID : **264330151982**  
Status : **Answered**  
Chosen Option : **3**

Q.12 How many triangles are there in the given figure?

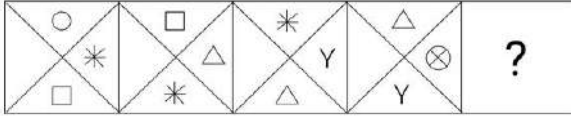


- Ans
- 1. 10
  - 2. 9
  - 3. 8
  - 4. 7

Question ID : 264330147348  
Status : Answered  
Chosen Option : 3

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**Q.13** Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

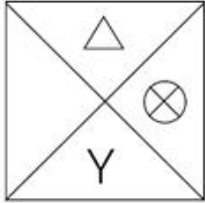


**Ans**

1.



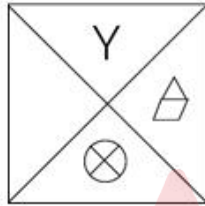
2.



3.



4.



Question ID : 264330147221

Status : Answered

Chosen Option : 4

**Q.14** In a certain code language, 'DARK' is coded as '3501' and 'READ' is coded as '1037'. What is the code for 'K' in the given code language?

1. 1

2. 0

3. 5

4. 3

Question ID : 264330146585

Status : Answered

Chosen Option : 3

**Q.15** 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?

11 B 145 A 29 C 69 D 17 = ?

- Ans**
- 1. 107
  - 2. 109
  - 3. 101
  - 4. 111

Question ID : **264330146416**  
Status : **Answered**  
Chosen Option : **1**

**Q.16** The position of how many letters will remain unchanged if each of the letters in the word KINGDOM is arranged in alphabetical order?

- Ans**
- 1. Three
  - 2. None
  - 3. One
  - 4. Two

Question ID : **264330147168**  
Status : **Answered**  
Chosen Option : **2**

**Q.17** Select the option in which the numbers do NOT share the same relationship as that shared by the given pairs of numbers.

(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.)  
32 : 65 and 35 : 71

- Ans**
- 1. 21 : 43
  - 2. 46 : 93
  - 3. 17 : 35
  - 4. 30 : 59

Question ID : **264330150904**  
Status : **Answered**  
Chosen Option : **4**

**Q.18** 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:

All Indians are Americans.  
Some Chinese are Americans.  
All Chinese are Russians.

Conclusions:

(I) Some Chinese are Indians is a possibility.  
(II) No Russian is an Indian.  
(III) Some Americans are Russians.

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

Question ID : 264330147466

Status : Answered

Chosen Option : 3

**Q.19** Select the triad from the below options that has the same analogy as the following triads.

(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)

425 : 85 : 423

315 : 63 : 313

- Ans**
- 1. 235 : 47 : 233
  - 2. 326 : 48 : 472
  - 3. 152 : 89 : 684
  - 4. 548 : 62 : 631

Question ID : 264330150868

Status : Answered

Chosen Option : 1

**Q.20** 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.)

16, 99

13, 81

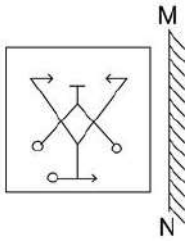
- Ans**
- 1. 9, 57
  - 2. 8, 42
  - 3. 11, 74
  - 4. 17, 115

Question ID : 264330146394

Status : Answered

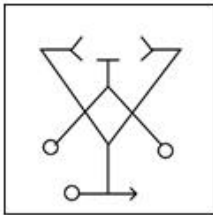
Chosen Option : 1

**Q.21** Select the correct mirror image of the given figure when the mirror is placed at MN as shown.

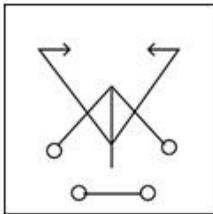


**Ans**

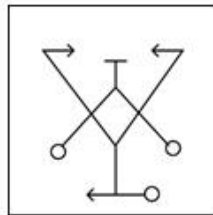
✗ 1.



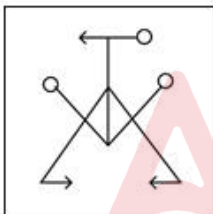
✗ 2.



✓ 3.



✗ 4.



Question ID : 264330146470

Status : Answered

Chosen Option : 3



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



- Ans
- 1. 275ERy
  - 2. 572ERy
  - 3. 755ERy
  - 4. 57275y

Question ID : 264330146689  
Status : Answered  
Chosen Option : 2

**Q.23** R is the father of P, P is the sister of Q, Q is the grandson of T, S is the only child of M, M is married to T, R is married to S. How is S related to P?

- Ans
- 1. Sister
  - 2. Daughter
  - 3. Mother's mother
  - 4. Mother

Question ID : 264330146720  
Status : Answered  
Chosen Option : 4

**Q.24** 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?

- (1) 4 – 27
- (2) 6 – 125
- (3) 7 – 216
- (4) 5 – 63

- Ans
- 1. 1
  - 2. 2
  - 3. 4
  - 4. 3

Question ID : 264330152165  
Status : Answered  
Chosen Option : 3

**Q.25** 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.)  
Astonishing : Incredible

- Ans**
- 1. Clarify : Elaborate
  - 2. Descend : Ascend
  - 3. Stop : Terminate
  - 4. Brave : Fearless

Question ID : 264330150892  
Status : Answered  
Chosen Option : 2

Section : Quantitative Aptitude

**Q.1** If  $\sin\theta + \tan\theta = p$  and  $\tan\theta - \sin\theta = q$ , then which of the relation satisfies for given values of  $p$  and  $q$ ?

- Ans**
- 1.  $p^2 - q^2 = 4\sqrt{pq}$
  - 2.  $p^2 - q^2 = 8\sqrt{pq}$
  - 3.  $p^2 + q^2 = 4\sqrt{pq}$
  - 4.  $p^2 + q^2 = 4pq$

Question ID : 264330150412  
Status : Marked For Review  
Chosen Option : 1

**Q.2** A fruit seller buys 480 bananas for ₹1,200. Some of these bananas are rotten and hence, they are thrown away. He sells the remaining bananas at ₹3.5 each and makes a profit of ₹396. What is the percentage of bananas thrown away?

- Ans**
- 1. 6%
  - 2. 4.5%
  - 3. 5%
  - 4. 4%

Question ID : 264330149418  
Status : Answered  
Chosen Option : 3

**Q.3** On an item having a marked price of ₹500, Ravi was offered successive discounts of 36% and 5%, respectively, while Prabhat was offered a single discount of 40%. Who paid more for the item and by how much?

- Ans**
- 1. Ravi, ₹4
  - 2. Prabhat, ₹5
  - 3. Ravi, ₹5
  - 4. Prabhat, ₹4

Question ID : 264330146788  
Status : Answered  
Chosen Option : 1

Q.4 If  $\theta$  is an acute angle and  $\sin\theta = \frac{21}{25}$ , then what is the value of  $\tan\theta$ ?

- Ans
- 1.  $\frac{2\sqrt{46}}{21}$
  - 2.  $\frac{25}{2\sqrt{46}}$
  - 3.  $\frac{21}{2\sqrt{46}}$
  - 4.  $\frac{2\sqrt{46}}{25}$

Question ID : 264330150009  
Status : Answered  
Chosen Option : 3

Q.5 The simple interest on a sum of money in 6 years at the rate of 15% per annum is ₹1,440 less than the simple interest accrued on the same sum in 9 years at 18% per annum. What is the sum of money (in ₹)?

- Ans
- 1. 1,800
  - 2. 2,000
  - 3. 2,700
  - 4. 2,400

Question ID : 264330151960  
Status : Answered  
Chosen Option : 2

Q.6 Simplify the given expression.

$$\frac{3(\sin^4 Z - \cos^4 Z + 1)}{\sin^2 Z}$$

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

Question ID : 264330147916  
Status : Answered  
Chosen Option : 4

Q.7 The remainder of the term  $9 + 9^2 + \dots + 9^{(2n+1)}$  when divided by 6 is:

- Ans
- 1. 1
  - 2. 4
  - 3. 2
  - 4. 3

Question ID : 264330148885  
Status : Answered  
Chosen Option : 4

Q.8 If  $a - b = 9$  and  $ab = 20$ , then  $a^2 + b^2$  :

- Ans
- 1. 111
  - 2. 115
  - 3. 121
  - 4. 118

Question ID : 264330148218  
Status : Answered  
Chosen Option : 3

Q.9 A metallic sphere of radius 21 cm is melted and then recast into smaller cones each with a radius of 7 cm, and a height of 3 cm. Find the number of cones obtained.

- Ans
- 1. 225
  - 2. 325
  - 3. 522
  - 4. 252

Question ID : 264330147976  
Status : Answered  
Chosen Option : 4

Q.10 An item was sold at ₹5,474 after two successive discounts of 12.5% and 8% were offered on its Marked Price. What was the Marked Price (in ₹) of the item?

- Ans
- 1. 6,750
  - 2. 7,000
  - 3. 6,800
  - 4. 6,600

Question ID : 264330146779  
Status : Answered  
Chosen Option : 3

Q.11 Two jars A and B are containing the solutions of two liquids P and Q. The ratio of the liquids P and Q in the jars A and B are 2 : 19 and 1 : 11, respectively. If 7 litres of the solution of jar A and 4 litres of the solution of jar B are mixed, what is the ratio of the solutions P and Q in the new mixture?

- Ans
- 1. 10 : 1
  - 2. 1 : 9
  - 3. 9 : 1
  - 4. 1 : 10

Question ID : 264330147699  
Status : Answered  
Chosen Option : 4

**Q.12** In a  $\Delta PMN$ , S is a point on PM which divides PM in the ratio of 5 : 7. The line segment ST is parallel to MN. If MN = 24 cm, then what is the length (in cm) of segment ST?

- Ans**
- 1. 16
  - 2. 17
  - 3. 14
  - 4. 10

Question ID : 264330151064  
Status : Answered  
Chosen Option : 4

**Q.13** If  $x + \frac{1}{x} = 2$ , then the value of  $x^{11} + \frac{1}{x^{20}}$  is:

- Ans**
- 1. 0
  - 2. 1
  - 3. 2
  - 4. 7

Question ID : 264330148032  
Status : Answered  
Chosen Option : 3

**Q.14** The data given in the table shows the number of boys and girls enrolled for different games in an academy over 5 years.

years	Basketball		Football		Cricket	
	Boys	Girls	Boys	Girls	Boys	Girls
2018	46	34	42	37	45	35
2019	40	41	44	38	42	32
2020	43	40	40	32	44	38
2021	37	44	43	25	34	28
2022	34	41	41	32	41	39

Which game has the maximum enrollment and during which year?

- Ans**
- 1. Cricket in 2020
  - 2. Basketball in 2019
  - 3. Football in 2019
  - 4. Basketball in 2020

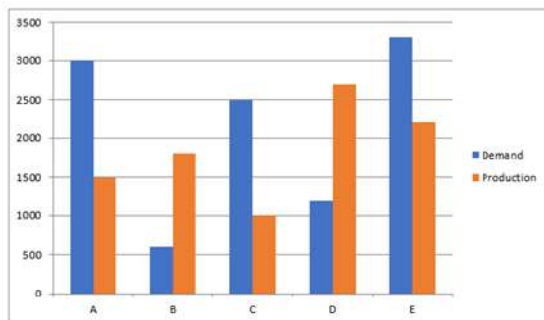
Question ID : 264330147633  
Status : Answered  
Chosen Option : 4

**Q.15** A chord is drawn in a circle of radius 10 cm, if the distance of the chord from the centre is 6 cm, then the length of the chord (in cm) is:

- Ans**
- 1. 10
  - 2. 12
  - 3. 16
  - 4. 8

Question ID : 264330148830  
Status : Answered  
Chosen Option : 3

**Q.16** Study the following graph carefully and answer the questions given below it.



The demand for company B is approximately what per cent of the demand for company C?

- Ans**
- 1. 25%
  - 2. 23%
  - 3. 20%
  - 4. 24%

Question ID : 264330151148  
Status : Answered  
Chosen Option : 4

**Q.17** A sum of ₹10,000 was invested at a rate of 10% per annum for a period of 2 years, compounded half-yearly. Find the compound interest.

- Ans**
- 1. ₹2,151.0625
  - 2. ₹2,055
  - 3. ₹2,255
  - 4. ₹2,155.0625

Question ID : 264330150966  
Status : Not Answered  
Chosen Option : --

**Q.18** Three persons A, B and C invested some money in a business. The share of A is twice the share of B, and the share of B is thrice the share of C. After 1 year, they earned ₹6,000. Find the money A received.

- Ans**
- 1. ₹3,200
  - 2. ₹3,000
  - 3. ₹3,600
  - 4. ₹3,500

Question ID : 264330147752  
Status : Answered  
Chosen Option : 3

**Q.19** If  $ax + by = 1$  and  $bx + ay = \frac{2ab}{a^2+b^2}$ , then the value of  $x$  (in terms of  $a$  and  $b$ ) is:

- Ans**
- 1.  $\frac{2b}{a^2+b^2}$
  - 2.  $\frac{a}{a^2+b^2}$
  - 3.  $\frac{b}{a^2+b^2}$
  - 4.  $\frac{2a}{a^2+b^2}$

Question ID : 264330151393  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.20** After allowing a discount of 12.5% on the marked price, an article is sold for ₹2,625. Find its marked price.

- Ans**
- 1. ₹2,975
  - 2. ₹2,900
  - 3. ₹2,950
  - 4. ₹3,000

Question ID : 264330148084  
Status : Answered  
Chosen Option : 4

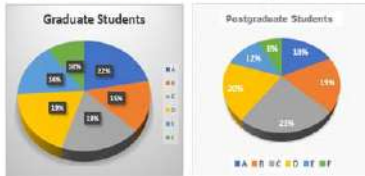
**Q.21** If 18 mechanics can repair 90 cars in 10 days, how many mechanics will be required to repair 150 cars in 12 days?

- Ans**
- 1. 25
  - 2. 30
  - 3. 20
  - 4. 27

Question ID : 264330147670  
Status : Answered  
Chosen Option : 1

**Q.22** Study the given pie-charts and answer the question that follows.

The pie-charts show the details of graduate and post graduate students of the Universities A, B, C, D, E, F.



If the total number of graduates across all universities is 24,800 and that of postgraduates is 18,400, then the ratio of the graduates in the universities A and E together to the postgraduates in the universities B and C will be:

- Ans**
- 1. 249 : 131
  - 2. 589 : 483
  - 3. 128 : 269
  - 4. 358 : 249

Question ID : 264330150046  
Status : Answered  
Chosen Option : 2

**Q.23** Savitha and Parnika decided to run a 2250 m long race on a track as long as the length of the race. But Savitha gave Parnika a 396 m head start and also allowed her to start 9 seconds before Savitha started running. Parnika ran at 6 m per second and Savitha caught up with Parnika 250 seconds after Savitha started running. What was Savitha's speed (in m/s) during the race?

- Ans**
- 1. 7.2
  - 2. 7.8
  - 3. 8
  - 4. 7.5

Question ID : 264330146792  
Status : Not Answered  
Chosen Option : --

**Q.24** Two circles with centres A and B touch each externally, PQ is a direct common tangent which touches the circle at P and Q. If the radii of the circles 9 cm and 4 cm, respectively, then the length of PQ (in cm) is equal to:

- Ans**
- 1. 5
  - 2. 13
  - 3. 6.5
  - 4. 12

Question ID : 264330148836  
Status : Not Answered  
Chosen Option : --



**Q.25** AB and BC are two chords of a circle with centre O. Both chords are on either side of the centre O. Point A and point C are connected to the centre O, such that  $\angle BAO=36^\circ$  and  $\angle BCO=48^\circ$ . What is the degree measure of the angle subtended by the minor arc AC at the centre O?

- Ans**
- 1.  $136^\circ$
  - 2.  $144^\circ$
  - 3.  $120^\circ$
  - 4.  $168^\circ$

Question ID : **264330147796**  
Status : **Not Answered**  
Chosen Option : --

Section : **General Awareness**

**Q.1** According to Census of India 2011, what is the literacy rate among the male population in India?

- Ans**
- 1. 74.04%
  - 2. 90.01%
  - 3. 65.46%
  - 4. 82.14%

Question ID : **264330150283**  
Status : **Answered**  
Chosen Option : 1

**Q.2** Which of the following Provisions of the Indian Constitution is taken from the US Constitution?

- Ans**
- 1. Post of vice president
  - 2. Fundamental duties
  - 3. Procedure for amendment of constitution
  - 4. Bicameralism

Question ID : **264330146546**  
Status : **Answered**  
Chosen Option : 1

**Q.3** In October 2022, Harmanpreet Singh, who was honoured with the Player of the Year award is related to \_\_\_\_\_.

- Ans**
- 1. hockey
  - 2. badminton
  - 3. cricket
  - 4. football

Question ID : **264330152385**  
Status : **Answered**  
Chosen Option : 1

Q.4 What is the nominal GDP if the real GDP is 500 and price index is 150?

- Ans
- 1. 650
  - 2. 450
  - 3. 750
  - 4. 350

Question ID : 264330145725  
Status : Answered  
Chosen Option : 1

Q.5 How many digits does the MMID code of any commercial bank have?

- Ans
- 1. 7
  - 2. 10
  - 3. 12
  - 4. 8

Question ID : 264330146119  
Status : Answered  
Chosen Option : 4

Q.6 What are the events in power lifting?

- Ans
- 1. Squats, bench press and dead lift
  - 2. Squats, lat pull down and curl
  - 3. Curls, bench press and squat
  - 4. Curls, over arm lift and dead lift

Question ID : 264330145895  
Status : Answered  
Chosen Option : 1

Q.7 Identify the correct match.

A) Pension to retired government employees - Revenue Receipt

B) Purchase of Machinery in Railways – Capital Expenditure

- Ans
- 1. Both A and B
  - 2. Only A
  - 3. Neither A nor B
  - 4. Only B

Question ID : 264330145693  
Status : Answered  
Chosen Option : 4

**Q.8** The IUPAC name of an element is Unnilennium. What is the symbol of the element?

- Ans**
- 1. Une
  - 2. Unl
  - 3. Unm
  - 4. Unu

Question ID : **264330145823**  
Status : **Answered**  
Chosen Option : **4**

**Q.9** By what name did Vinayak Savarkar form a secret organization of revolutionaries in the year 1904?

- Ans**
- 1. Hinduastan Republic Association
  - 2. Naujawan Bharat Sabha
  - 3. Abhinav Bharat
  - 4. Forward Bloc

Question ID : **264330150228**  
Status : **Answered**  
Chosen Option : **1**

**Q.10** Which of the following has Kharif crops only?

- Ans**
- 1. Maize and peas
  - 2. Barley and gram
  - 3. Cotton and paddy
  - 4. Paddy and mustard

Question ID : **264330150237**  
Status : **Answered**  
Chosen Option : **1**

**Q.11** In November 2022, Manika Batra created history by becoming the first Indian woman paddler to win a bronze medal in which event?

- Ans**
- 1. Euro-Asia Cup
  - 2. Pan America Table Tennis Cup
  - 3. ITTF-AATU Asian Cup
  - 4. Table Tennis World Cup

Question ID : **264330146300**  
Status : **Not Answered**  
Chosen Option : **--**

Q.12 Which of the following is an open pit copper mine?

- Ans
- 1. Malanjkhand
  - 2. Bastar
  - 3. Singhbhum
  - 4. Ballari

Question ID : 264330150253  
Status : Not Answered  
Chosen Option : --

Q.13 Mopin is an agricultural festival celebrated in the state of \_\_\_\_\_.

- Ans
- 1. Bihar
  - 2. Arunachal Pradesh
  - 3. West Bengal
  - 4. Himachal Pradesh

Question ID : 264330145780  
Status : Not Answered  
Chosen Option : --

Q.14 On April 21, 2023 which state assembly passed a bill amending the Factories Act 1948, for flexible working hours and extending factory workers' working hours from 8 to 12 hours?

- Ans
- 1. Bihar Assembly
  - 2. Tamil Nadu Assembly
  - 3. Punjab Assembly
  - 4. Kerala Assembly

Question ID : 264330150052  
Status : Answered  
Chosen Option : 2

Q.15 The minimum distance of distinct vision for a young adult person with no defect in eyes is:

- Ans
- 1. 20 m
  - 2. 25 cm
  - 3. 20 cm
  - 4. 25 m

Question ID : 264330146384  
Status : Not Answered  
Chosen Option : --

**Q.16** Nati is the folk dance of which of the following Indian states?

- Ans**
- 1. Jharkhand
  - 2. Arunachal Pradesh
  - 3. Gujarat
  - 4. Himachal Pradesh

Question ID : **264330145761**  
Status : **Not Answered**  
Chosen Option : --

**Q.17** Which of the following classification bases of industry applies to the products – cotton, jute, wool, silk textile, rubber, tea, sugar, coffee, edible oil?

- Ans**
- 1. Key industries
  - 2. Consumer industries
  - 3. Agro based industries
  - 4. Mineral based industries

Question ID : **264330144728**  
Status : **Answered**  
Chosen Option : **3**

**Q.18** In the 1930s, which of the following theories was propounded by Arthur Holmes about the mantle?

- Ans**
- 1. Theory of Faunal Succession
  - 2. Slab Pull Theory
  - 3. Convectional Current Theory
  - 4. Theory of Faulting

Question ID : **264330152524**  
Status : **Not Answered**  
Chosen Option : --

**Q.19** Who composed 'Shahnama'?

- Ans**
- 1. Abdulla
  - 2. Alberuni
  - 3. Ferdowsi
  - 4. Utbi

Question ID : **264330150205**  
Status : **Not Answered**  
Chosen Option : --

**Q.20** Manju Bargavee was awarded the Sangeet Natak Akademi Award 2019 for her contribution to which Indian classical dance?

- Ans**
- 1. Kathak
  - 2. Bharatanatyam
  - 3. Kuchipudi
  - 4. Mohiniyattam

Question ID : **264330145800**  
Status : **Not Answered**  
Chosen Option : --

**Q.21** The Harbour phase of the 29<sup>th</sup> edition of the Singapore-India Maritime Bilateral Exercise (SIMBEX)-2022, hosted by the Indian Navy, was held at:

- Ans**
- 1. Guwahati
  - 2. Kolkata
  - 3. Kochi
  - 4. Vishakhapatnam

Question ID : **264330150376**  
Status : **Answered**  
Chosen Option : 4

**Q.22** X has been exercising his freedom of trade in Chennai to earn for his livelihood.

Such kind of freedom is provided in which of the following Articles of the Indian Constitution?

- Ans**
- 1. Article 18
  - 2. Article 19
  - 3. Article 17
  - 4. Article 16

Question ID : **264330150358**  
Status : **Answered**  
Chosen Option : 4

**Q.23** Rabindra Sangeet is associated with:

- Ans**
- 1. Rabi
  - 2. Ravindra Jain
  - 3. Rabindranath Tagore
  - 4. Ravi Shankar

Question ID : **264330144779**  
Status : **Not Answered**  
Chosen Option : --

**Q.24** Which of these is one of the seven priorities adopted in the Union Budget for the fiscal year 2023-24?

- Ans**
- 1. Gender equality
  - 2. Zero poverty
  - 3. Inclusive development
  - 4. Zero hunger

Question ID : **264330144665**  
Status : **Answered**  
Chosen Option : **3**

**Q.25** which of the following nutrients is available mainly in apples?

- Ans**
- 1. Co
  - 2. Na
  - 3. K
  - 4. S

Question ID : **264330145677**  
Status : **Not Answered**  
Chosen Option : **--**

  
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