

## Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	
Exam Date	01/07/2024
Exam Time	9:00 AM - 10:00 AM
Subject	CHSL Exam 2024 Tier I

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**Q.1** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The couple / preferred to walk / until the last house / of the town.

- Ans
- 1. of the town
  - 2. preferred to walk
  - 3. The couple
  - 4. until the last house

**Q.2** Select the sentence in the future tense.

- Ans
- 1. I will be twenty five next Sunday.
  - 2. I have been twenty five next Sunday.
  - 3. I could be twenty five next Sunday.
  - 4. I should be twenty five next Sunday.

**Q.3** The underlined phrase in the given sentence has been used incorrectly. Select the option that can correctly replace the underlined segment.

I am down with her complaints.

- Ans
- 1. looked down with
  - 2. passed out with
  - 3. fed up with
  - 4. held down with

**Q.4** The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.

Passengers started behaving / violent when / they were asked / to leave the bus station.

- Ans
- 1. they were asked
  - 2. violent when
  - 3. Passengers started behaving
  - 4. to leave the bus station.

**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.

As Paul was (1)\_\_\_\_\_ his supper, Aunt Jenny (2) \_\_\_\_\_ him questions that have been full of deceit , and had a very deep meaning, for she wanted to trap him. It seemed as if she was endowed with a (3) \_\_\_\_\_ which could hunt for dark and mysterious tact.

She asked, "Did you now not want to swim, Paul?"

Paul felt an uncomfortable (4) \_\_\_\_\_ .

He (5) \_\_\_\_\_ Aunt Jennys face; however it informed him nothing. So, he said, "No, ma'am."

**SubQuestion No : 5**

**Q.5 Select the most appropriate option to fill in blank no. 1.**

- Ans  1. grazing  
 2. eating  
 3. feeding  
 4. churning

**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.

As Paul was (1)\_\_\_\_\_ his supper, Aunt Jenny (2) \_\_\_\_\_ him questions that have been full of deceit , and had a very deep meaning, for she wanted to trap him. It seemed as if she was endowed with a (3) \_\_\_\_\_ which could hunt for dark and mysterious tact.

She asked, "Did you now not want to swim, Paul?"

Paul felt an uncomfortable (4) \_\_\_\_\_ .

He (5) \_\_\_\_\_ Aunt Jennys face; however it informed him nothing. So, he said, "No, ma'am."

**SubQuestion No : 6**

**Q.6 Select the most appropriate option to fill in blank no. 2.**

- Ans  1. demanded  
 2. asked  
 3. allowed  
 4. submitted

**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.

As Paul was (1)\_\_\_\_\_ his supper, Aunt Jenny (2) \_\_\_\_\_ him questions that have been full of deceit , and had a very deep meaning, for she wanted to trap him. It seemed as if she was endowed with a (3) \_\_\_\_\_ which could hunt for dark and mysterious tact.

She asked, "Did you now not want to swim, Paul?"

Paul felt an uncomfortable (4) \_\_\_\_\_ .

He (5) \_\_\_\_\_ Aunt Jennys face; however it informed him nothing. So, he said, "No, ma'am."

**SubQuestion No : 7**

**Q.7 Select the most appropriate option to fill in blank no. 3.**

- Ans  1. weakness  
 2. talent  
 3. technique  
 4. purpose

**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.

As Paul was (1)\_\_\_\_\_ his supper, Aunt Jenny (2)\_\_\_\_\_ him questions that have been full of deceit , and had a very deep meaning, for she wanted to trap him. It seemed as if she was endowed with a (3)\_\_\_\_\_ which could hunt for dark and mysterious tact.

She asked, "Did you now not want to swim, Paul?"

Paul felt an uncomfortable (4)\_\_\_\_\_ .

He (5)\_\_\_\_\_ Aunt Jennys face; however it informed him nothing. So, he said, "No, ma'am."

**SubQuestion No : 8**

**Q.8 Select the most appropriate option to fill in blank no. 4.**

- Ans  1. view  
 2. drop  
 3. guess  
 4. suspicion

**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.

As Paul was (1)\_\_\_\_\_ his supper, Aunt Jenny (2)\_\_\_\_\_ him questions that have been full of deceit , and had a very deep meaning, for she wanted to trap him. It seemed as if she was endowed with a (3)\_\_\_\_\_ which could hunt for dark and mysterious tact.

She asked, "Did you now not want to swim, Paul?"

Paul felt an uncomfortable (4)\_\_\_\_\_ .

He (5)\_\_\_\_\_ Aunt Jennys face; however it informed him nothing. So, he said, "No, ma'am."

**SubQuestion No : 9**

**Q.9 Select the most appropriate option to fill in blank no. 5.**

- Ans  1. pursued  
 2. ruffled  
 3. searched  
 4. chased

**Q.10 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.**

The little boy cried with pain when he burnt his fingers.

- Ans  1. No substitution required  
 2. while he burn his fingers  
 3. as he burning his fingers  
 4. when he burns his fingers

**Q.11 Select the most appropriate ANTONYM of the given word .**

Trivial

- Ans  1. Lavish  
 2. Vain  
 3. Liable  
 4. Essential

Q.12 Select the INCORRECTLY spelt word.

- Ans  1. Obtain  
 2. Encraoch  
 3. Delegate  
 4. Illusion

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

- Ans  1. Delight  
 2. Shame  
 3. Honour  
 4. Gluttony

Q.14 Select the most appropriate meaning of the underlined idiom.

The realtors of the new venture sold plots like hot cakes.

- Ans  1. Sold illegally  
 2. Sold with great difficulty  
 3. Sold innovatively  
 4. Sold quickly and in large numbers

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

It is a general belief that the female ostrich guard the nest at night.

- Ans  1. is guarding the nest at night  
 2. does guard the nest in night  
 3. guards the nest at night  
 4. guarded the nest at night

Q.16 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The skunk had a conspicuous spinal stripe.

- Ans  1. faint  
 2. charming  
 3. obscure  
 4. noticeable

Q.17 Select the most appropriate ANTONYM of the underlined word in the given sentence.  
How can you be so joyless on hearing the news?

- Ans  1. Blissful  
 2. Rapt  
 3. Dubious  
 4. Beaming

**Q.18** Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank.

The documentary explored the historical and cultural significance of the \_\_\_\_\_ (antique) ruins in the region.

- Ans
- 1. obsolete
  - 2. contemporary
  - 3. ancient
  - 4. modern

**Q.19** The following sentence has been split into four segments. Identify the segment that contains a spelling error.

I begged him / to reconcider / the decision but / he refused to yield.

- Ans
- 1. he refused to yield.
  - 2. the decision but
  - 3. I begged him
  - 4. to reconcider

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

Rahul had strong pain in his stomach.

- Ans
- 1. strict
  - 2. severe
  - 3. high
  - 4. deep

**Q.21** Select the most appropriate ANTONYM of the underlined word.

Would you please support me for once in your life?

- Ans
- 1. document
  - 2. refute
  - 3. establish
  - 4. disclaim

**Q.22** Select the most appropriate meaning of the given idiom.

**Black and white**

- Ans
- 1. In writing
  - 2. Doubtful
  - 3. In dispute
  - 4. A false invention

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

Yesterday, I ate only a \_\_\_\_\_ of apples for my dinner.

- Ans
- 1. pier
  - 2. pair
  - 3. pear
  - 4. pare

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

In both countries we have leaders of \_\_\_\_\_ ability.

- Ans  1. exceptional  
 2. almighty  
 3. powerful  
 4. compelling

Q.25 Select the most appropriate option that can substitute the underlined segment in the given sentence.

This is best book for children to read.

- Ans  1. This is the best book  
 2. This is very best book  
 3. This is good book  
 4. This is very good book

Q.1 What should come in place of the question mark (?) in the given series?

40 ? 18 10 4 0

- Ans  1. 28  
 2. 25  
 3. 22  
 4. 30

Q.2 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans  1. 2n6v9c  
 2. 2u9v6c  
 3. c9v6n2  
 4. 2n6v9c

Q.3 LBNF is related to SYCM in a certain way based on the English alphabetical order. In the same way, TGFY is related to AGHF. To which of the following is ZDMK related, following the same logic?

- Ans  1. GREN  
 2. GRNE  
 3. GNER  
 4. GNRE

**Q.4** 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 keys are chains.

All chains are locks.

No lock is a rock.

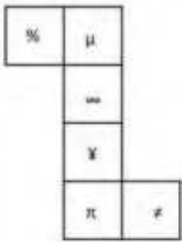
**Conclusions:**

(I) No rock is a key.

(II) At least some keys are locks.

- Ans**
- 1. Only conclusion I follows
  - 2. Both conclusions I and II follow
  - 3. Only conclusion II follows
  - 4. None of the conclusion follow

**Q.5** What would be the symbol on the opposite side of 'π' if the given sheet is folded to form a cube?



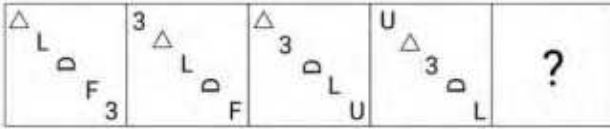
- Ans**
- 1. ∞
  - 2. %
  - 3. μ
  - 4. ¥

**Q.6** What should come in place of the question mark (?) in the given series?

129, 128, 124, 115, 99, ?

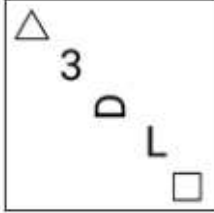
- Ans**
- 1. 71
  - 2. 73
  - 3. 74
  - 4. 72

Q.7 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

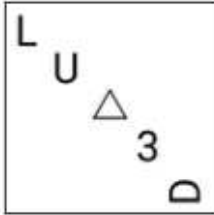


Ans

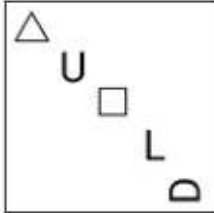
✗ 1.



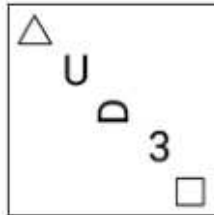
✗ 2.



✗ 3.



✓ 4.



Q.8 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans ✓ 1. OXC

✗ 2. MVC

✗ 3. ENU

✗ 4. AJQ



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

RTYZXC57

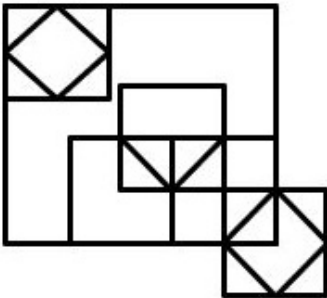


- Ans
- 1.
  - 2.
  - 3.
  - 4.

Q.10 The position of how many letters will remain unchanged if each of the letters in the word 'VIRTUAL' is arranged in English alphabetical order?

- Ans
- 1. None
  - 2. One
  - 3. More than three
  - 4. Three

Q.11 How many triangles are there in the given figure?



- Ans
- 1. 14
  - 2. 15
  - 3. 11
  - 4. 13

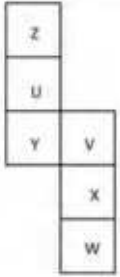
Q.12 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

DFG : IKL

MOP : RTU

- Ans
- 1. TVW : YAB
  - 2. FHI : EGH
  - 3. WYZ : GIJ
  - 4. PST : KHG

Q.13 What would be the letter on the opposite side of 'Y' if the given sheet is folded to form a cube?



- Ans
- 1. V
  - 2. Z
  - 3. X
  - 4. W

Q.14 If the year is NOT a leap year, then how is the last day of the year and first day of the same year related?

- Ans
- 1. First day is Sunday, last day is Saturday
  - 2. First day is Tuesday, last day is Saturday
  - 3. First day is Sunday, last day is Friday
  - 4. They are the same.

Q.15 'A + B' means 'A is the brother of B'.

'A - B' means 'A is the wife of B'.

'A × B' means 'A is the father of B'.

'A ÷ B' means 'A is the sister of B'.

In 'T × X ÷ Y + Z', how is T related to Z using the same meaning of the mathematical operators as given above?

- Ans
- 1. Father
  - 2. Father-in-law
  - 3. Brother
  - 4. Daughter

Q.16 In a certain code language, 'strong and mighty' is written as 'ui yv tk' and 'soft yet strong' is written as 'hd tk bw'. How is 'strong' written in the given language?

- Ans
- 1. ui
  - 2. bw
  - 3. hd
  - 4. tk

Q.17 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$162 \times 9 - 452 \div 7 + 9 = ?$$

- Ans
- 1. 507
  - 2. 707
  - 3. 407
  - 4. 607

Q.18 Select the combination of letters that when sequentially placed in the blanks of the given series will logically complete the series.

A \_ A \_ C A B \_ B \_ A \_ \_ B C A B A \_ C

- Ans  1. BBACBAB  
 2. BBABBCB  
 3. BBACABB  
 4. BABACBA

Q.19 If 'U' stands for '+', 'D' stands for '×', 'B' stands for '+' and 'T' stands for '-', what will come in place of the question mark (?) in the following equation?

13 T 26 U 13 D 24 B 7 = ?

- Ans  1. -87  
 2. -28  
 3. -43  
 4. -56

Q.20 In a certain code language, BEAM is coded as 2349 and MEAN is coded as 4327. What is the code for N in that language?

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

Q.21 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

(10, 5, 20)

(14, 7, 28)

- Ans  1. (48, 24, 58)  
 2. (22, 11, 44)  
 3. (54, 18, 72)  
 4. (33, 11, 44)

Q.22 Six numbers 1, 3, 5, 6, 7 and 8 are written on different faces of a dice. Two positions of this dice are shown in the figure. Which is the number on the face opposite to the face containing 6?



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

Q.23 96 is related to 16 following a certain logic. Following the same logic, 156 is related to 26. To which of the following is 228 related following the same logic?  
(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. 42
  - 2. 38
  - 3. 36
  - 4. 34

Q.24 What should come in place of ? in the given series based on the English alphabetical order?

FNV LUE ? XIW DPF

- Ans
- 1. RBN
  - 2. HRY
  - 3. GQZ
  - 4. UWZ

Q.25 Which two numbers should be interchanged to make the given equation correct?

$$74 - 52 + (39 \div 13) \times 16 + (14 \div 2) = 106$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation  $43 \times 3 + 4 \div 2$ , then interchanged equation is  $43 \times 2 + 4 \div 3$ )

- Ans
- 1. 14 and 52
  - 2. 52 and 39
  - 3. 74 and 52
  - 4. 14 and 16

Q.1 A and B can do a work in 10 days and 40 days, respectively. How long will it take together to complete the work?

- Ans
- 1. 15 days
  - 2. 20 days
  - 3. 8 days
  - 4. 12 days

Q.2 A motorcycle covered the first 60 km of its journey at an average speed of 40 km/h. The speed of the motorcycle for covering the rest of the journey, i.e. 90 km, was 45 km/h. During the whole journey, the overall average speed of the motorcycle was:

- Ans
- 1.  $42\frac{1}{2}$  km/h
  - 2.  $42\frac{1}{7}$  km/h
  - 3. 42 km/h
  - 4.  $42\frac{6}{7}$  km/h

Q.3 The ratio of the diameters of two spheres is given as 1 : 4. The larger sphere is melted and 125 identical spheres are made out of the molten material. The smaller sphere is melted and 27 identical spheres are made out of the molten material. If the ratio of the volume of each of the 125 identical spheres to the volume of each of the 27 identical spheres is given as 1 : m, what is the value of m?

- Ans
- 1.  $\frac{1728}{125}$
  - 2.  $\frac{125}{1728}$
  - 3.  $\frac{27}{8000}$
  - 4.  $\frac{64}{3375}$

Q.4 If equation of line p is  $x + y = 5$  and that of line q is  $x - y = 3$ , what are the coordinates of the point common to both the lines?

- Ans
- 1. (1, 4)
  - 2. (2, 3)
  - 3. (2, 1)
  - 4. (4, 1)

Q.5 A man spent 60% of his salary on household expenses, 20% of his salary on rent and out of remaining salary, he donated 80% to a trust. If he is left with ₹20,000, then what is his salary?

- Ans
- 1. ₹5,50,000
  - 2. ₹5,00,000
  - 3. ₹4,00,000
  - 4. ₹50,000

Q.6 Two parallel chords on the same side of the centre of a circle are 12 cm and 20 cm long and the radius of the circle is  $5\sqrt{13}$  cm. What is the distance between the chords?

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

Q.7 If PQ and PR are the two tangents to a circle with center O, and  $\angle QOR = 150^\circ$ , then  $\angle QPR$  is equal to:

- Ans
- 1.  $60^\circ$
  - 2.  $90^\circ$
  - 3.  $45^\circ$
  - 4.  $30^\circ$

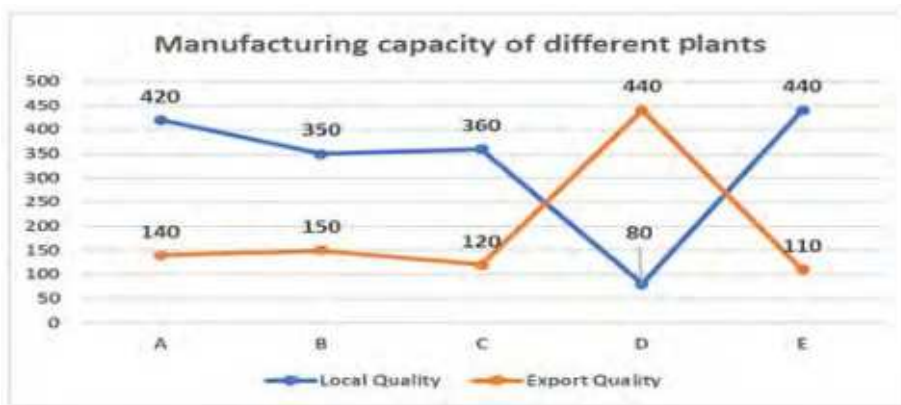
Q.8 In how many years will the simple interest on a sum of money be equal to the principal at the rate of  $2\frac{6}{7}\%$  per annum?

- Ans
- 1. 34 years
  - 2. 37 years
  - 3. 35 years
  - 4. 33 years

Q.9 If Arun's salary was decreased by 50% and subsequently increased by 50%, then how much per cent did he lose?

- Ans
- 1. 25%
  - 2. 10%
  - 3. 40%
  - 4. 36%

Q.10 A company has five plants for manufacturing spare parts. Each plant manufactures local quality and export quality. What is the ratio of the production of local quality and export quality units of the highest manufacturing plant?



- Ans
- 1. 4 : 1
  - 2. 3 : 1
  - 3. 2 : 11
  - 4. 7 : 3

Q.11 A shopkeeper marks up the price of the oil by 40% and uses a faulty machine which measures 15% less. If the shopkeeper gives a discount of 32%, the profit/loss percentage is:

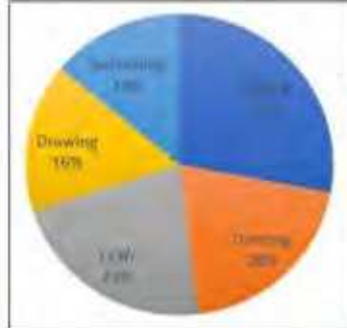
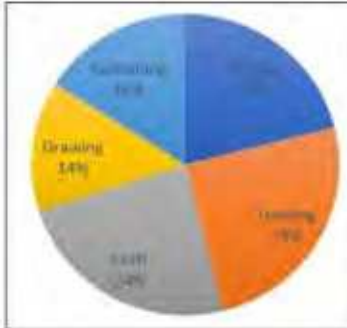
- Ans
- 1. 12% Profit
  - 2. 25% Profit
  - 3. 15% Loss
  - 4. 18% Loss

**Q.12** The percentage of students enrolled in different activities in a school which are displayed in the left side pie chart. The total number of students is 5000.

In the right-side pie chart, the total number of girls is 1550 and their percentage breakup enrolled in these activities.

**Total Students Enrolled**

**Girls Enrolled**



The number of girls enrolled in Craft forms what per cent of the total number of students in the school?

- Ans**
- 1. 6.82%
  - 2. 7.11%
  - 3. 5.82%
  - 4. 5.81%

**Q.13** Radhika requested the cashier of a bank to get her coins in lieu of her cheque worth ₹1,845. Cashier gave her a packet containing ₹5, ₹10 and ₹20 coins in the ratio of 3 : 5 : 7. What is the total worth of the smallest coin received by her?

- Ans**
- 1. ₹135
  - 2. ₹125
  - 3. ₹145
  - 4. ₹105

**Q.14** In right-angled triangle ABC,  $\angle B = 90^\circ$  and angle A and angle C are acute angles. If  $\operatorname{cosec} A = 2\sqrt{2}$ , then find the value of  $\sin A \cdot \cos C + \cos A \cdot \sin C$ .

- Ans**
- 1.  $\sqrt{2}$
  - 2. 1
  - 3. 0
  - 4.  $2\sqrt{2}$

**Q.15** Given that the perimeters of two similar triangles,  $\triangle ABC$  and  $\triangle DEF$ , are 24 cm and 9 cm, respectively, and  $DE = 3$  cm, what is the ratio between the area of  $\triangle ABC$  and that of  $\triangle DEF$ ?

- Ans**
- 1. 54 : 9
  - 2. 54 : 7
  - 3. 64 : 9
  - 4. 64 : 7

Q.16 A largest possible sphere is carved from a cube of side 14 cm. What is its volume in  $\text{cm}^3$ ?

- Ans
- 1.  $205\frac{1}{3}$
  - 2.  $1707\frac{1}{3}$
  - 3.  $1437\frac{1}{3}$
  - 4.  $1600\frac{1}{3}$

Q.17 The surface area of a cube is  $486\text{ cm}^2$ . Find the volume.

- Ans
- 1.  $625\text{ cm}^3$
  - 2.  $512\text{ cm}^3$
  - 3.  $729\text{ cm}^3$
  - 4.  $486\text{ cm}^3$

Q.18 A man walking at the speed of 5 km/h covers a certain distance in 3 hours 45 minutes. If he covers the same distance by a cycle in 2 hours 10 minutes, then the speed of the cycle in km/h is:

- Ans
- 1.  $7\frac{16}{26}$
  - 2.  $8\frac{17}{26}$
  - 3.  $5\frac{11}{26}$
  - 4.  $9\frac{11}{26}$

Q.19 The given table shows the percentage of marks obtained by 5 students in different subjects. Study the table and answer the question that follows. (Maximum marks are given beside subject)

Subjects → Students ↓	Physics 300	Maths 300	Music 100	Hindi 100	Botany 200
Ram	60	80	90	60	95
Shyam	90	70	80	70	40
Sohan	70	90	95	80	75
Mohan	80	60	70	95	80
Kam	90	50	85	85	80

What are the marks (in percentage) obtained by Mohan?

- Ans
- 1. 76.5%
  - 2. 77.5%
  - 3. 75.5%
  - 4. 74.5%



Q.20 What will be the least value of x so that the 5-digit number 627x5 becomes divisible by 9?

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

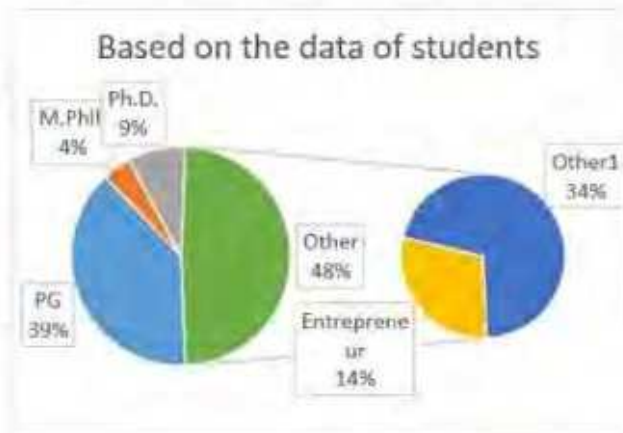
Q.21 Simplify the following expression.

$$3 + 28 \div 35 \times 15 + 4 - 3 \times 4$$

- Ans
- 1. 26
  - 2. 7
  - 3. 64
  - 4. 10

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

The pie-charts show the data of students' progress after graduation.



Which two combined have the same number of students as the other?

- Ans
- 1. P.G. + M.Phil.
  - 2. P.G. + Ph.D.
  - 3. Entrepreneur + Ph.D.
  - 4. Entrepreneur + P.G.

Q.23 A shopkeeper decides to raise the marked price of an article by 40%. How much percentage discount should he allow to be able to sell the article at the original marked price?

- Ans
- 1.  $28\frac{4}{7}\%$
  - 2.  $31\frac{2}{7}\%$
  - 3.  $24\frac{3}{7}\%$
  - 4.  $26\frac{3}{7}\%$

**Q.24 Which of the following is a correct statement?**

- Ans**  1. If two circles touch each other, the point of contact lies on the line joining the two centres.
2. Equal chords are equidistant from the centre of the circle but not always subtend equal angle at centre of the circle
3. The sum of the angles of a cyclic quadrilateral is always  $180^\circ$ .
4. Angles subtended by the arc in the same segment of the circle are in ratio of 2 : 1.

**Q.25 Mohan gets 12% increase in his sale amount in the first year and 15% increase in the second year, with that his present sale is ₹1,28,800. What was his sale two years ago?**

- Ans**  1. ₹1,75,000
2. ₹1,25,000
3. ₹1,00,000
4. ₹1,50,000

**Q.1 With which of the following states is the Bhatiali folk music, which is mostly sung by the fishermen, associated?**

- Ans**  1. Kerala
2. Andhra Pradesh
3. West Bengal
4. Odisha

**Q.2 National Institute of Mountaineering and Adventure Sports (NIMAS) is located at \_\_\_\_\_.**

- Ans**  1. Nagaland
2. Arunachal Pradesh
3. Mizoram
4. Himachal Pradesh

**Q.3 Which of the following states/UTs has the first 100% fully digital literate Panchayat in India?**

- Ans**  1. Kerala
2. Puducherry
3. Maharashtra
4. Delhi

**Q.4 Langvir Nritya is a folk dance from the state of \_\_\_\_\_.**

- Ans**  1. Gujarat
2. Uttar Pradesh
3. Uttarakhand
4. Haryana

**Q.5 Who was the founder of Arya Samaj?**

- Ans**  1. Keshub Chandra Sen
2. Rabindranath Tagore
3. Swami Vivekananda
4. Dayanand Saraswati

**Q.6** The peninsular plateau of India was a part of which continent earlier?

- Ans  1. North America  
 2. Europe  
 3. South America  
 4. Africa

**Q.7** In which part of the Constitution will you find the six broad categories of Fundamental Rights?

- Ans  1. Part I  
 2. Part IV  
 3. Part II  
 4. Part III

**Q.8** As of March 2024, who among the following is the Chairperson of the National Green Tribunal?

- Ans  1. Ajay Narayan Jha  
 2. Prakash Shrivastava  
 3. Swatanter Kumar  
 4. Lokeshwar Singh Panta

**Q.9** How many squares are there on a chessboard?

- Ans  1. 67  
 2. 68  
 3. 64  
 4. 69

**Q.10** Who has the power to regulate the right of citizenship in India?

- Ans  1. Parliament  
 2. President  
 3. Supreme Court  
 4. Governor

**Q.11** The five-year plans for India with their duration are given below. Which of the following is correctly matched?

(a)	Second five-year plan	1956-57 to 1960-61
(b)	Third five-year plan	1961-62 to 1965-66
(c)	Fourth five-year plan	1966-67 to 1970-71

- Ans  1. Both b and c  
 2. Both a and b  
 3. Both a and c  
 4. Only a

Q.12 What is the balance of trade of a country?

- Ans
- 1. Ratio of international trade
  - 2. Number of imports
  - 3. Difference between imports and exports
  - 4. Number of exports

Q.13 Daler Mehndi is primarily a famous singer of pop songs in which Indian language?

- Ans
- 1. Punjabi
  - 2. English
  - 3. Bengali
  - 4. Hindi

Q.14 In which year did Johannes Nicolaus Bronsted and Thomas Martin Lowry propose the fundamental concept of acids and bases?

- Ans
- 1. 1928
  - 2. 1921
  - 3. 1925
  - 4. 1923

Q.15 In which year has India hosted the Asian Games for the first time?

- Ans
- 1. 1949
  - 2. 1948
  - 3. 1951
  - 4. 1950

Q.16 Former minister of the state and former president of BJP alliance partner IPFT \_\_\_\_\_ received the Padma Shri award (posthumously) in 2023.

- Ans
- 1. Rehati Mohan Das
  - 2. Pinaki Das Chowdhury
  - 3. Narendra Chandra Debbarma
  - 4. Prabhat Choudhury

Q.17 In the context of DNA, which of the following principles governs the process of transcription?

- Ans
- 1. The transforming principle
  - 2. The principle of complementarity
  - 3. The principle of inheritance
  - 4. Semiconservative nature of DNA

Q.18 According to the Census of India 2011, most people had out-migrated from \_\_\_\_\_ to other states in India.

- Ans
- 1. Rajasthan and Gujarat
  - 2. Uttar Pradesh and Madhya Pradesh
  - 3. Maharashtra and Gujarat
  - 4. Uttar Pradesh and Bihar

Q.19 The financial year in India starts from 1<sup>st</sup> April and ends on \_\_\_\_\_.

- Ans
- 1. 31<sup>st</sup> May
  - 2. 30<sup>th</sup> June
  - 3. 31<sup>st</sup> March
  - 4. 31<sup>st</sup> July

Q.20 The growth rate of India's population has been declining since \_\_\_\_\_.

- Ans
- 1. 1991
  - 2. 1951
  - 3. 1981
  - 4. 1971

Q.21 Average function is listed in the drop-down menu of which of the following tools?

- Ans
- 1. Move function
  - 2. Insert function
  - 3. Financial function
  - 4. Auto Sum function

Q.22 Sakewa is a religious festival celebrated by the Kirat Khambu Rai community of \_\_\_\_\_.

- Ans
- 1. Arunachal Pradesh
  - 2. Goa
  - 3. Sikkim
  - 4. Himachal Pradesh

Q.23 Where can you find the emoticons in an instant messaging conversation window?

- Ans
- 1. At the bottom of the chat window
  - 2. Any where in the chat window
  - 3. At the middle of the chat window
  - 4. At the top of the chat window

Q.24 Geoid is the \_\_\_\_\_ of earth.

- Ans
- 1. orbit
  - 2. axis
  - 3. colour
  - 4. shape

Q.25 Who among the following was the author of 'Brihat Katha Kosh'?

- Ans
- 1. Dandin
  - 2. Bhavabhuti
  - 3. Kshemendra
  - 4. Harisena

## Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	
Exam Date	01/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I

**Q.1** Parts of the following sentence have been given as options. Select the option that contains an error.  
Ramayana is an ancient Sanskrit epic; it is believed to be written around 500 BC to 100 BC.

- Ans
- 1. Ramayana is an ancient
  - 2. around 500 BC to 100 BC.
  - 3. believed to be written
  - 4. Sanskrit epic; it is

**Q.2** The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.  
She always / likes to / show on / her wealth.

- Ans
- 1. she always
  - 2. her wealth.
  - 3. likes to
  - 4. show on

**Q.3** Parts of the following sentence have been underlined and given as options. Select the option that contains an error.  
If it will rain tomorrow, I will stay at home.

- Ans
- 1. If it
  - 2. at home
  - 3. will rain
  - 4. I will

**Q.4** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Hard had she / thrown the basketball / when it fell / on the ground.

- Ans
- 1. thrown the basketball
  - 2. when it fell
  - 3. on the ground
  - 4. Hard had she

**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.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) \_\_\_\_\_ the seeds well and deep. Instead of basing their nationalism or appeals to (2) \_\_\_\_\_ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they \_\_\_\_\_ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) \_\_\_\_\_ a common political and economic programme which (5) \_\_\_\_\_ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

**SubQuestion No : 5**

**Q.5 Select the most appropriate option to fill in blank number 1.**

- Ans  1. sowed  
 2. scattered  
 3. buried  
 4. threw

**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.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) \_\_\_\_\_ the seeds well and deep. Instead of basing their nationalism or appeals to (2) \_\_\_\_\_ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they \_\_\_\_\_ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) \_\_\_\_\_ a common political and economic programme which (5) \_\_\_\_\_ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

**SubQuestion No : 6**

**Q.6 Select the most appropriate option to fill in blank number 2.**

- Ans  1. shallow  
 2. deep  
 3. grounded  
 4. profound

**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.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) \_\_\_\_\_ the seeds well and deep. Instead of basing their nationalism or appeals to (2) \_\_\_\_\_ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they \_\_\_\_\_ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) \_\_\_\_\_ a common political and economic programme which (5) \_\_\_\_\_ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

**SubQuestion No : 7**

**Q.7 Select the most appropriate option to fill in blank number 3.**

- Ans  1. rooted  
 2. drove  
 3. controlled  
 4. minded

**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.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) \_\_\_\_\_ the seeds well and deep. Instead of basing their nationalism or appeals to (2) \_\_\_\_\_ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they \_\_\_\_\_ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) \_\_\_\_\_ a common political and economic programme which (5) \_\_\_\_\_ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

**SubQuestion No : 8**

**Q.8 Select the most appropriate option to fill in blank number 4.**

- Ans  1. collapsed  
 2. evolved  
 3. banished  
 4. uprooted

**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.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) \_\_\_\_\_ the seeds well and deep. Instead of basing their nationalism or appeals to (2) \_\_\_\_\_ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they \_\_\_\_\_ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) \_\_\_\_\_ a common political and economic programme which (5) \_\_\_\_\_ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

**SubQuestion No : 9**

**Q.9 Select the most appropriate option to fill in blank number 5.**

- Ans  1. complicated  
 2. united  
 3. classified  
 4. dissolved

**Q.10 Select the INCORRECTLY spelt word in the given sentence.**

**A distinguished academecian, Amartya Sen has taught in India, Britain and the United States.**

- Ans  1. Taught  
 2. Distinguished  
 3. Academecian  
 4. Britain

**Q.11 Select the most appropriate meaning of the given idiom.**  
**At one's fingertips**

- Ans  1. Out of reach  
 2. To take revenge  
 3. To have complete knowledge  
 4. To be unaware of something



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

Hospital for people with mental illnesses

- Ans
- 1. Druggist
  - 2. Shelter
  - 3. Asylum
  - 4. Hangar

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

The road which connecting the two states is overcrowded.

- Ans
- 1. has connecting
  - 2. connected
  - 3. connects
  - 4. have connected

**Q.14** Select the most appropriate ANTONYM of the underlined word in the given sentence.  
The committee deposed him from his office.

- Ans
- 1. Demolished
  - 2. Segregated
  - 3. Interacted
  - 4. Promoted

**Q.15** Select the most appropriate ANTONYM of the underlined word in the given sentence.  
Ria is liked by everyone as she is very amicable.

- Ans
- 1. Dangerous
  - 2. Stupid
  - 3. Unfriendly
  - 4. Hateful

**Q.16** Select the most appropriate ANTONYM of the given word.  
Resistance

- Ans
- 1. Tenderness
  - 2. Tolerance
  - 3. Reliance
  - 4. Awareness

**Q.17** Select the most appropriate ANTONYM of the underlined word.  
The rocky terrain made the hike difficult and strenuous.

- Ans
- 1. Lively
  - 2. Demanding
  - 3. Easy
  - 4. Intense

Q.18 Select the most appropriate meaning of the underlined idiom.

Teja followed his friend's advice so now he is in deep water.

- Ans  1. In trouble  
 2. In good position  
 3. In deep thoughts  
 4. In dilemma

Q.19 Select the most appropriate ANTONYM of the given word.

Beautiful

- Ans  1. Pungent  
 2. Ugly  
 3. Slimy  
 4. Stingy

Q.20 Select the most appropriate ANTONYM of the underlined word.

Language interacts with all aspects of human life and society.

- Ans  1. interrelates  
 2. co-operates  
 3. disconnects  
 4. intermingles

Q.21 Select the most appropriate option that can replace the bracketed word segment in the following sentence.

Children should avoid giving out personal details online (which will) identify them or their location.

- Ans  1. that could  
 2. what will  
 3. which might lead  
 4. whichever can

Q.22 Select the most appropriate ANTONYM of the word 'Defeat' in the given sentence.

The first battle of Panipat was fought on 21 April 1526, where Babur introduced canon warfare and was able to gain victory on Delhi and subjugated sultanate ruler Ibrahim Lodi.

- Ans  1. victory  
 2. warfare  
 3. gain  
 4. subjugated

Q.23 Select the most appropriate option that can substitute the underlined segment in the given sentence.

As I have no time to discuss the points, so I wrote a email to her.

- Ans  1. I write an email to her  
 2. I wrote an email to her  
 3. so I wrote an e-mail for her  
 4. so I wrote a e-mail to her

**Q.24** Select the INCORRECTLY spelt word.

- Ans  1. Aquire  
 2. Congratulate  
 3. Hygiene  
 4. Category

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

It took 4 hours straight to \_\_\_\_\_ the deal with the regional company.

- Ans  1. perform  
 2. get  
 3. close  
 4. stop

**Q.1** In a certain code language, 'messages are encrypted' is written as 'tg gc mz' and 'are you coming' is written as 'ze fp mz'. How is 'are' written in the given language?

- Ans  1. gc  
 2. fp  
 3. mz  
 4. ze

**Q.2** In this question, three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

- All rings are earrings.
- Some rings are chains.
- All chains are bangles.

Conclusions:

- I. Some rings are bangles.
- II. Some earrings are bangles.
- III. Some chains are earrings.

- Ans  1. Both conclusions I and III follow.  
 2. Both conclusions I and II follow.  
 3. Both conclusions II and III follow.  
 4. All conclusions I, II and III follow.

**Q.3** Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

- (21, 34, 76)
- (39, 26, 104)

- Ans  1. (28, 23, 79)  
 2. (34, 25, 102)  
 3. (25, 31, 108)  
 4. (37, 43, 127)

Q.4 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

KJ\_HIJKI\_JM\_EJ\_K

- Ans  1. IMKR  
 2. GIJO  
 3. KJOM  
 4. IGJO

Q.5 If 15 December 2006 is a Friday, then what will the day of the week on 13 October 2009?

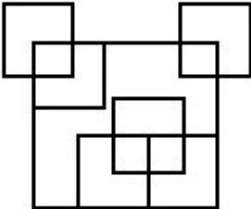
- Ans  1. Friday  
 2. Monday  
 3. Saturday  
 4. Tuesday

Q.6 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

D U P E 5 2 S H  
M ————— N

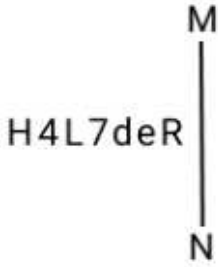
- Ans  1. D U P E 2 5 2 H  
 2. H 2 2 2 3 9 U D  
 3. H 2 5 2 3 9 U D  
 4. D U P E 2 5 2 H

Q.7 How many squares are there in the given figure?



- Ans  1. 10  
 2. 11  
 3. 12  
 4. 9

Q.8 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- ✓ 1. RəbɿɿɿH
  - ✗ 2. H4ɿɿəR
  - ✗ 3. H4ɿɿəR
  - ✗ 4. deRɿɿɿH

Q.9 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



(X)

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

**Q.10** Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.  
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)  
Continue – Interrupt

- Ans**
- 1. Cow – Buffalo
  - 2. Attic – Common
  - 3. Safe – Secure
  - 4. Connect – Join

**Q.11** Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.  
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Hand : Wrist

- Ans**
- 1. Foot : Ankle
  - 2. Ear : Hair
  - 3. Muscle : Bone
  - 4. Skull : Stomach

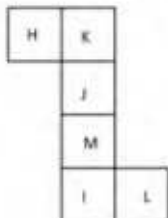
**Q.12** What will come in the place of '?' in the following equation, if '+' and '×' are interchanged and '×' and '-' are interchanged?  
 $21 + 3 - 7 + 11 \times 4 = ?$

- Ans**
- 1. 48
  - 2. 51
  - 3. 63
  - 4. 56

**Q.13** Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- 1. LIF
  - 2. QNL
  - 3. WTQ
  - 4. ROL

**Q.14** What would be the letter on the opposite side of 'K' if the given sheet is folded to form a cube?



- Ans**
- 1. M
  - 2. I
  - 3. L
  - 4. H

Q.15 11 is related to 55 following a certain logic. Following the same logic, 22 is related to 110. To which of the following is 44 related following the same logic?  
(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. 230
  - 2. 220
  - 3. 200
  - 4. 210

Q.16 Which of the following numbers will replace the question mark (?) in the given series?  
54 58.7 64.4 71.1 78.8 ?

- Ans
- 1. 86.8
  - 2. 87.5
  - 3. 85.1
  - 4. 84.4

Q.17 'Q + R' means 'Q is the father of R'  
'Q – R' means 'Q is the wife of R'  
'Q × R' means 'Q is the brother of R'  
'Q ÷ R' means 'Q is the daughter of R'.  
What does ' M – N + O' mean?

- Ans
- 1. M is the mother of O
  - 2. M is the daughter of O
  - 3. M is the brother of O
  - 4. M is the father of O

Q.18 What should come in place of the question mark (?) in the given series?  
162, 167, 172, 177, 182, ?

- Ans
- 1. 186
  - 2. 187
  - 3. 188
  - 4. 185

Q.19 If 6 May 2005 is a Friday, then what will the day of the week on 25 September 2018?

- Ans
- 1. Sunday
  - 2. Tuesday
  - 3. Thursday
  - 4. Friday

Q.20 In a certain code language, 'KIOSK' is coded as 'LJRTL' and 'FLAME' is coded as 'GMDNF'. What is the code for 'ENJOY' in the given code language?

- Ans
- 1. FOMPZ
  - 2. ENOQZ
  - 3. GNMRY
  - 4. EMOQY

**Q.21** If 'T' stands for 'x', 'M' stands for '+', 'K' stands for '=' and 'G' stands for '-', what will come in place of the question mark (?) in the following equation?  
100 K 5 M 73 T 48 M 56 G 23 = ?

- Ans**
- 1. 3557
  - 2. 3500
  - 3. 3560
  - 4. 3575

**Q.22** What should come in place of ? in the given series based on the English alphabetical order?

ZRJ EUK JXL ? TDN

- Ans**
- 1. OAM
  - 2. HST
  - 3. WNE
  - 4. QHR

**Q.23** If 'Z' stands for '+', 'Q' stands for 'x', 'H' stands for '+' and 'E' stands for '-', what will come in place of the question mark (?) in the following equation?  
17 H 23 Q 42 Z 7 E 13 = ?

- Ans**
- 1. 785
  - 2. 142
  - 3. 688
  - 4. 975



Q.24 Which figure should replace the question mark (?) if the following figure series were to be continued?

△	♡	♡	C	C	S	S	A	
S	A	R	C	9	R	A	△	△
0	9	S		0	0	♡	△	0

Ans

✓ 1. 

A		△
C	♡	R
0		S

✗ 2. 

0		S
C	♡	R
A		△

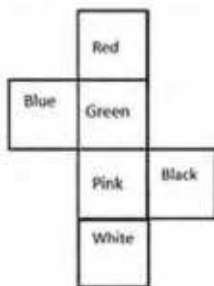
✗ 3. 

0		S
R	9	C
A		△

✗ 4. 

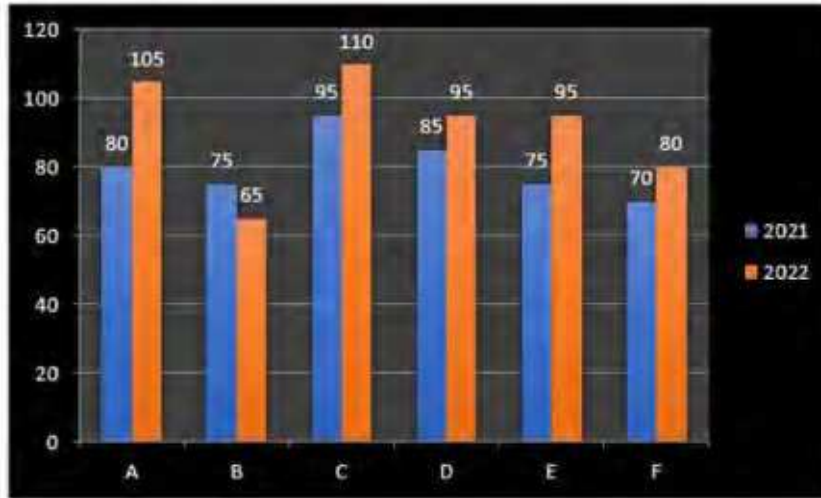
△		0
S	9	R
♡		C

Q.25 What would be the word on the opposite side of 'Blue' if the given sheet is folded to form a cube?



- Ans
- ✓ 1. Black
  - ✗ 2. White
  - ✗ 3. Pink
  - ✗ 4. Red

Q.1 The following bar graph shows the sales (in thousands) of magazines from six branches (A, B, C, D, E and F) of a publishing company during two consecutive years 2021 and 2022.



What percent of the average sales of branches A, B and C in 2022 is the average sales of branches A, C and F in 2021?

- Ans
- 1. 87.5%
  - 2. 86.2%
  - 3. 82.3%
  - 4. 88.4%

Q.2 The age of the older of two boys is thrice that of the younger. 9 years ago it was five times that of the younger. Find the present age of each.

- Ans
- 1. 15 years, 45 years
  - 2. 18 years, 54 years
  - 3. 17 years, 51 years
  - 4. 12 years, 36 years

Q.3 The respective ratio between numerical values of the curved surface area and the volume of a right circular cylinder is 2 : 3. If the respective ratio between the radius and the height of the cylinder is 3 : 7, what is the total surface area of the cylinder?

- Ans
- 1.  $62\pi \text{ cm}^2$
  - 2.  $45\pi \text{ cm}^2$
  - 3.  $65\pi \text{ cm}^2$
  - 4.  $60\pi \text{ cm}^2$

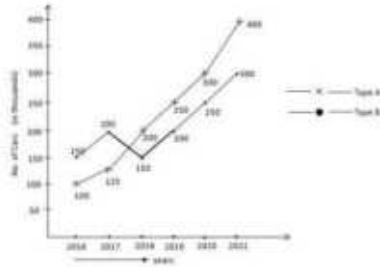
Q.4 A person drives 110 miles at 55 miles per hour, he drives the next 120 miles at 60 miles per hour, and then he drives the next 60 miles in an hour. What is his average speed for the entire journey in miles per hour ?

- Ans
- 1. 55
  - 2. 60
  - 3. 63
  - 4. 58

**Q.5** The price of an electric bike was ₹1,25,000 last year. This year, its price got decreased by 30%. What is the price (in ₹) of the electric bike this year?

- Ans**
- 1. 87,000
  - 2. 86,000
  - 3. 87,500
  - 4. 86,500

**Q.6** The following graph shows the production (in thousands) of two types (A and B) of cars by a company over the years 2016 to 2021.



In how many of the given years was the production of type A cars more than the average production of this type car in the given years?

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

**Q.7** PQ is a diameter of a circle with centre O. The tangents at R meets PQ produced at A. If  $\angle RPQ = 27^\circ$ , then measure of  $\angle RQP$  is:

- Ans**
- 1.  $63^\circ$
  - 2.  $54^\circ$
  - 3.  $27^\circ$
  - 4.  $153^\circ$

**Q.8** Reshma took a loan of ₹12,00,000 with simple interest for as many years as the rate of interest. If she paid ₹9,72,000 as interest at the end of the loan period, what was the rate of interest per annum ?

- Ans**
- 1. 9%
  - 2. 8.7%
  - 3. 8%
  - 4. 7.5%

**Q.9** Two circles touch each other at a point O. AB is a simple common tangent to both the circles touching at point A and point B. If radii of the circles are 9 cm and 4 cm, then find AB.

- Ans**
- 1. 72 cm
  - 2. 12 cm
  - 3. 24 cm
  - 4. 144 cm

Q.10 Ravi sells his goods at a 25% loss on cost price but uses 45% less weight. What is his percentage profit or loss?

- Ans
- 1. Loss,  $47\frac{9}{10}\%$
  - 2. Loss,  $36\frac{4}{11}\%$
  - 3. Profit,  $36\frac{4}{11}\%$
  - 4. Profit,  $47\frac{9}{10}\%$

Q.11 Find the number when successively divided by 3, 5 and 7 leaves remainder 2, 1 and 3, respectively, and the last quotient is 3.

- Ans
- 1. 367
  - 2. 365
  - 3. 362
  - 4. 360

Q.12 If 18 toys out of 75 toys are for boys and the rest are for girls, what is the percentage of girls toys?

- Ans
- 1. 57%
  - 2. 76%
  - 3. 67%
  - 4. 18%

Q.13 If  $2^3 : 8^{5.06} :: 8^{-4.06} : x$ , find the value of x.

- Ans
- 1.  $2^3$
  - 2. 0
  - 3. 1
  - 4.  $\frac{1}{2^3}$

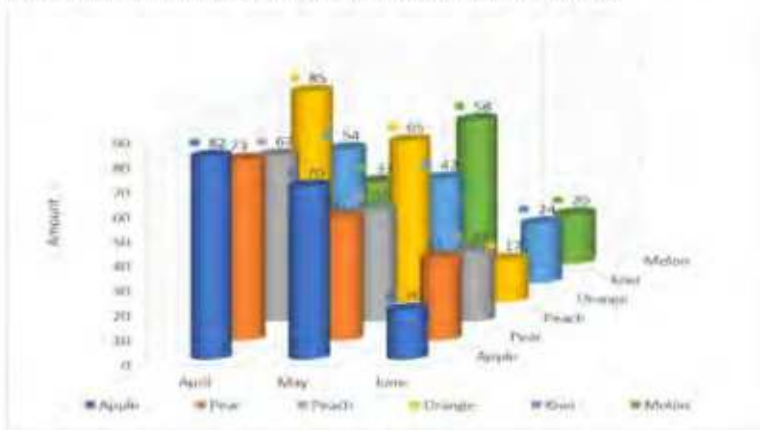
Q.14 In a  $\triangle ABC$ , two medians AD and BE intersect at G at right angles. If AD = 18 cm and BE = 12 cm, then the length of BD is equal to:

- Ans
- 1. 15 cm
  - 2. 10 cm
  - 3. 20 cm
  - 4. 8 cm

Q.15 Ram travelled an equal distance with the speed of 40 km/hr, 45 km/hr and 60 km/hr. What is the average speed of Ram during the whole journey? Correct to two decimal places.

- Ans
- 1. 94.66 km/hr
  - 2. 46.96 km/hr
  - 3. 64.96 km/hr
  - 4. 66.94 km/hr

Q.16 Study the given three-dimensional chart and answer the question that follows.  
The chart details the sale of fruits in different months.



In which month was the sale of Melons the lowest and by how much was it more than the sale of Oranges in that month?

- Ans
- 1. April, 3
  - 2. May, 3
  - 3. June, 3
  - 4. June, 4

Q.17 The value of  $\left(\frac{7+8 \times 7+8+7+7+7}{3+3 \times 3+3+5+5+5}\right)$  is :

- Ans
- 1.  $1 \frac{81}{217}$
  - 2.  $2 \frac{61}{217}$
  - 3.  $3 \frac{27}{217}$
  - 4.  $1 \frac{31}{217}$

Q.18 The surface areas of two spheres are in the ratio 25 : 36. What is the ratio of their volumes?

- Ans
- 1.  $\frac{36}{115}$
  - 2.  $\frac{125}{216}$
  - 3.  $\frac{36}{125}$
  - 4.  $\frac{25}{36}$

**Q.19** What is the value of the following expression?

$$\frac{4}{7} \times 4\frac{1}{2} \div 5\frac{1}{3} \text{ of } 2\frac{1}{2} - \left(7\frac{7}{8} \div 5\frac{1}{9} \text{ of } 9\frac{9}{20}\right) + \frac{1}{2}$$

- Ans
- 1.  $\frac{1759}{3250}$
  - 2.  $\frac{1113}{856}$
  - 3.  $\frac{853}{1610}$
  - 4.  $\frac{1093}{111}$

**Q.20** The sides of a cuboid are in the ratio 3 : 4 : 5 and its surface area is equal to the surface area of the cube with side 6 units. What is the approximate volume of the cuboid?

- Ans
- 1. 240
  - 2. 210
  - 3. 150
  - 4. 180

**Q.21** A and B can do a piece of work in eight days and B alone can do it in 16 days. In how many days, can A do it alone?

- Ans
- 1. 16 days
  - 2. 24 days
  - 3. 10 days
  - 4. 18 days

**Q.22** The given table shows the marks obtained by 100 students out of 50 marks in Mathematics and Physics in an examination.

Marks / Subjects	40 or above	30 or above	20 or above	10 or above	0 or above
Mathematics	9	32	80	92	100
Physics	4	21	66	81	100
Average	7	27	73	87	100

If at least 60% marks in Physics are required for pursuing higher studies in Physics, how many students will be eligible to pursue higher studies in Physics?

- Ans
- 1. 66
  - 2. 21
  - 3. 81
  - 4. 27

Q.23 In a circle, ABCD is a cyclic quadrilateral in which AE is drawn parallel to CD, and BA is produced to F. If  $\angle ABC = 85^\circ$  and  $\angle FAE = 24^\circ$ , find the value of  $\angle BCD$ .

- Ans  1.  $119^\circ$   
 2.  $124^\circ$   
 3.  $115^\circ$   
 4.  $125^\circ$

Q.24 Three persons ran for office and got, 1136, 7636 and 11628 votes, respectively. What was the winning candidate's percentage of the total votes?

- Ans  1. 59%  
 2. 52%  
 3. 61%  
 4. 57%

Q.25 If  $\sin\theta = \frac{2xy}{x^2+y^2}$ , then the value of  $\tan\theta$  is:

- Ans  1.  $\frac{2xy}{x^2 - y^2}$   
 2.  $\frac{x^2 - y^2}{2xy}$   
 3.  $\frac{x^2 - y^2}{x^2 + y^2}$   
 4.  $\frac{x^2 + y^2}{x^2 - y^2}$

Q.1 Which of the following is NOT a stringed instrument?

- Ans  1. Mandolin  
 2. Guitar  
 3. Flute  
 4. Violin

Q.2 According to the National Crime Records Bureau data, from 2016 to 2019, suicide cases due to unemployment have increased by \_\_\_\_\_.

- Ans  1. 24%  
 2. 20%  
 3. 18%  
 4. 21%

**Q.3 Which of the following is NOT one of the main pillars of the 'Namami Gange Programme', launched by the Government of India in 2014?**

- Ans
- 1. Sewerage Treatment Infrastructure
  - 2. Industrial Effluent Monitoring
  - 3. River Linkage Development
  - 4. River-Front Development

**Q.4 Which of the following dances developed in the monasteries of Assam?**

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

**Q.5 When was the Swarnajayanti Gram Swarozgar Yojana (SGSY) launched by the Government of India?**

- Ans
- 1. 1999
  - 2. 2000
  - 3. 1995
  - 4. 1991

**Q.6 In the given main characteristics of farming which is NOT a characteristic of the Indian commercial farming?**

- Ans
- 1. Slash and burn
  - 2. Insecticides and pesticides
  - 3. Chemical fertilisers
  - 4. High yielding variety seeds

**Q.7** In year 2023, the Government of India launched which of the following schemes to bring Indian-origin researchers to higher educational institutions in the country?

- Ans
- 1. VAPSI
  - 2. AMANTRAN
  - 3. SEEKHO
  - 4. VAIBHAV

**Q.8 Which of the following statements is correct about the Five-Year Plan?**

- Ans
- 1. All Five-Year Plans have equal rates of growth.
  - 2. The President was the ex-officio chairperson of the Planning Commission.
  - 3. The first Five-Year Plan was started in 1951.
  - 4. The Planning Commission was constituted in 1951.

**Q.9 Which power were the Badami (or Vatapi) Chalukyas originally subjects of?**

- Ans
- 1. Hoysalas
  - 2. Pandyas
  - 3. Kadambas
  - 4. Pallavas



Q.10 'Hampi Utsava,' which is celebrated in Karnataka, is also called \_\_\_\_\_. The festival that captures the pomp, splendour and glory of the historical period of Karnataka is celebrated over a week.

- Ans  1. Vijaya Utsava  
 2. Sarhul Mahotsava  
 3. Rajasi Utsava  
 4. Nriya Mahotsav

Q.11 Mohammad Yunus established which of the following banks in 1983?

- Ans  1. Grameen Bank  
 2. Indian Bank  
 3. Union Bank  
 4. State Bank

Q.12 Who among the followings won gold at the International Shooting Sport Federation (ISSF) junior world cup 2023?

- Ans  1. Umamahesh Maddineni  
 2. Dhanush Srikanth  
 3. Mahesh Pasupathy Anandakumar  
 4. Rajkanwar Singh Sandhu

Q.13 Which is, by far, the closest dwarf planet orbiting at only 2.8 times Earth's distance from the sun?

- Ans  1. Ceres  
 2. Makemake  
 3. Eris  
 4. Pluto

Q.14 Which of the following are needed for Skype to function on a computer?

- 1) A web cam  
2) A microphone  
3) A speaker

- Ans  1. Only 1 and 2  
 2. Only 2 and 3  
 3. 1, 2 and 3  
 4. Only 1 and 3

Q.15 On 26 January 1950 India became:

- Ans  1. a socialist and secular state  
 2. a sovereign, democratic, republic state  
 3. an independent state  
 4. a unitary state

Q.16 The default width of a column in MS-Excel is:

- Ans  1. 6 characters  
 2. 7 characters  
 3. 9 characters  
 4. 8 characters

Q.17 ICC World Cup (cricket) 2023 was hosted by \_\_\_\_\_.

- Ans
- 1. India and Bangladesh
  - 2. India
  - 3. India and Sri Lanka
  - 4. India, Sri Lanka and Bangladesh

Q.18 According to Global Multidimensional poverty index (2022), which of the following groups of states is included in top 10 poorest states of India?

- Ans
- 1. Karnataka and Tamil Nadu
  - 2. Manipur and Nagaland
  - 3. Meghalaya and Madhya Pradesh
  - 4. Punjab and Gujarat

Q.19 In which year did Robert Brown observe the zigzag movement of colloidal particles in solution?

- Ans
- 1. 1829
  - 2. 1827
  - 3. 1828
  - 4. 1826

Q.20 \_\_\_\_\_ is one of the first criticism of the caste system written by Mahatma Phule and published in the year 1873.

- Ans
- 1. Jati ka Unmoolan
  - 2. Bharat Mein Jaati Evam Prajaati
  - 3. Gulami Ki Kahani
  - 4. Gulamgiri

Q.21 Which of the following parts of the Indian Constitution is described as the 'Magna Carta of India'?

- Ans
- 1. Part III
  - 2. Part I
  - 3. Part IV
  - 4. Part II

Q.22 The song 'Teri mitti' is from which of the following movies?

- Ans
- 1. Jai Ho
  - 2. Kesari
  - 3. Satya Mev Jayte
  - 4. Rajniti

Q.23 Who was the chief coordinator for the G20 summit which held in India in 2023?

- Ans
- 1. Vijay Gokhale
  - 2. S Jaishankar
  - 3. Harsh Vardhan Shringla
  - 4. Vinay Kwatra

**Q.24 Which of the following statements about eutrophication is correct?**

- Ans**  1. It happens when too much nitrogen enriches the water, causing excessive growth of plants and algae.
2. It happens when too much carbon enriches the water, causing excessive growth of bacteria and reduced growth of plants.
3. It happens when too less nitrogen is present in the water, causing reduced growth of plants and algae.
4. It is a beneficial process for environment restoration.

**Q.25 Nehru Institute of Mountaineering is located at \_\_\_\_\_.**

- Ans**  1. Jammuand Kashmir
2. Himachal Pradesh
3. Uttarakhand
4. Leh

## Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	
Exam Date	01/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I

**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 project was completed / more quicker / than expected.

- Ans  1. more quicker  
 2. The project was completed  
 3. than expected  
 4. No error

**Q.2** The following sentence has an error in its tense. Identify the error and select the correct sentence from the options.

If you had apprised me about your problem earlier, I would have allow you to go.

- Ans  1. If you apprised me about your problem earlier, I would have allowed you to go.  
 2. If you can apprise me about your problem earlier, I would have allowed you to go.  
 3. If you had apprised me about your problem earlier, I would have allowed you to go.  
 4. If you had apprised me about your problem earlier, I would allow you to go.

**Q.3** There is an error in the given sentence. From the options given, identify the sentence that corrects the error to make it a grammatically accurate sentence.

Harmit is not innocent such as Uday.

- Ans  1. Harmit is not as innocent as Uday.  
 2. Harmit is not as innocent more than Uday.  
 3. Harmit is not as much as innocent as Uday.  
 4. Harmit is not innocent than Uday.

**Q.4** Select the option with the correct use of article(s).

- Ans  1. She kept an lot of rules in her life, due to which she is flourishing today.  
 2. She kept lot of rules in her life, due to which she is flourishing today.  
 3. She kept the lot of rules in her life, due to which she is flourishing today.  
 4. She kept a lot of rules in her life, due to which she is flourishing today.

**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.

Many parents think of overweight children as 'cute' and cuddly. However, obesity must not be (1) \_\_\_\_\_ as a healthy sign. (2) \_\_\_\_\_ obese children grow up, they will be more prone (3) \_\_\_\_\_ health problems like high blood pressure (4) \_\_\_\_\_ diabetes. Today, overweight children are becoming a common (5) \_\_\_\_\_ in many countries.

**SubQuestion No : 5**

**Q.5 Select the most appropriate option to fill in blank no. 1.**

- Ans  1. seeing  
 2. seen  
 3. saw  
 4. see

**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.

Many parents think of overweight children as 'cute' and cuddly. However, obesity must not be (1) \_\_\_\_\_ as a healthy sign. (2) \_\_\_\_\_ obese children grow up, they will be more prone (3) \_\_\_\_\_ health problems like high blood pressure (4) \_\_\_\_\_ diabetes. Today, overweight children are becoming a common (5) \_\_\_\_\_ in many countries.

**SubQuestion No : 6**

**Q.6 Select the most appropriate option to fill in blank no. 2.**

- Ans  1. Who  
 2. Where  
 3. What  
 4. When

**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.

Many parents think of overweight children as 'cute' and cuddly. However, obesity must not be (1) \_\_\_\_\_ as a healthy sign. (2) \_\_\_\_\_ obese children grow up, they will be more prone (3) \_\_\_\_\_ health problems like high blood pressure (4) \_\_\_\_\_ diabetes. Today, overweight children are becoming a common (5) \_\_\_\_\_ in many countries.

**SubQuestion No : 7**

**Q.7 Select the most appropriate option to fill in blank no. 3.**

- Ans  1. in  
 2. to  
 3. on  
 4. at

**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.

Many parents think of overweight children as 'cute' and cuddly. However, obesity must not be (1) \_\_\_\_\_ as a healthy sign. (2) \_\_\_\_\_ obese children grow up, they will be more prone (3) \_\_\_\_\_ health problems like high blood pressure (4) \_\_\_\_\_ diabetes. Today, overweight children are becoming a common (5) \_\_\_\_\_ in many countries.

**SubQuestion No : 8**

**Q.8 Select the most appropriate option to fill in blank no. 4.**

- Ans  1. or  
 2. nor  
 3. never  
 4. neither

**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.

Many parents think of overweight children as 'cute' and cuddly. However, obesity must not be (1) \_\_\_\_\_ as a healthy sign. (2) \_\_\_\_\_ obese children grow up, they will be more prone (3) \_\_\_\_\_ health problems like high blood pressure (4) \_\_\_\_\_ diabetes. Today, overweight children are becoming a common (5) \_\_\_\_\_ in many countries.

**SubQuestion No : 9**

**Q.9 Select the most appropriate option to fill in blank no. 5.**

- Ans  1. light  
 2. tight  
 3. sight  
 4. might

**Q.10 Select the most appropriate ANTONYM of the underlined word in the given sentence.**

His opponents viewed him as stubborn, dogmatic, and inflexible.

- Ans  1. Careless  
 2. Dishonest  
 3. Biased  
 4. Amenable

**Q.11 Select the INCORRECTLY spelt word in the given sentence.**

'Vande Mataram', a poignant poem, is obviously and indisputably the premier national song of India.

- Ans  1. Premier  
 2. Poignant  
 3. Indisputably  
 4. Obviously

**Q.12 Select the most appropriate meaning of the given idiom.**

**Blowing smoke**

- Ans  1. To tease someone relentlessly  
 2. To lie to perplex others  
 3. To burn something important  
 4. To hide something

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

Riding a horse was a piece of cake for him.

- Ans  1. confusing work  
 2. an everyday affair  
 3. a very easy task  
 4. a very difficult task

**Q.14** Select the most appropriate synonym of the given word.  
Respect

- Ans  1. Disrespect  
 2. Invalidate  
 3. Honour  
 4. Attend

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

The family was saved from the burning building by the brave firefighter.

- Ans  1. unafraid  
 2. timid  
 3. fearless  
 4. cowardly

**Q.16** Select the most appropriate option that can best replace the bracketed word to fill in the blank

His \_\_\_\_\_ stature was not a measure of his overall personality. (scrawny)

- Ans  1. thin  
 2. sickly  
 3. keen  
 4. muscular

**Q.17** Select the most appropriate option to substitute the underlined segment in the following sentence.

The company do not broke the law at any time.

- Ans  1. did not broken  
 2. do not brakes  
 3. does not break  
 4. did not breaking

**Q.18** Select the most appropriate homonym to fill in the blank.

Sonu eats \_\_\_\_\_ like a rabbit.

- Ans  1. carat  
 2. carrot  
 3. caret  
 4. karat

**Q.19** Select the most appropriate ANTONYM of the word 'bold' in the given sentence.  
A person can be friendly, timid, clever, or fearless based on the context of the situation.

- Ans  1. clever  
 2. timid  
 3. fearless  
 4. friendly

**Q.20** Select the most appropriate ANTONYM of the given word.  
Shame

- Ans  1. Fear  
 2. Defamation  
 3. Pride  
 4. Disgrace

**Q.21** Select the option that will most suitably substitute the underlined part of the given sentence.

He was not happy until he gave up his job and live as a fakir in the forests.

- Ans  1. until he gave up his job and lived  
 2. until he gives up his job and lived  
 3. unless he gave up his job and lives  
 4. until he gave up his job and lives

**Q.22** Select the most appropriate ANTONYM of the underlined word in the given sentence.  
It is no exaggeration to say the Hussain Sagar Lake is an integral element of Hyderabad and Hyderabad's history.

- Ans  1. total  
 2. extra  
 3. essential  
 4. inherent

**Q.23** Select the most appropriate homonyms from the given alternatives to fill in the blanks.  
He \_\_\_\_\_ imitate the playful movement of the \_\_\_\_\_.

Alternatives:

A.does (female deer)

B.does

C.dose

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

**Q.24** Select the most appropriate option that can substitute the underlined segment in the given sentence.

Dhruv's anger blazed of uncontrollably.

- Ans  1. anger blazed onwards  
 2. anger blazed up  
 3. anger blazed into  
 4. anger blazed after



Q.25 Select the INCORRECTLY spelt word.

- Ans  1. Seize  
 2. Dissappoint  
 3. Rebuke  
 4. Foresee

Q.1 Select the set in which the numbers are related in the same way as are the numbers of the given sets.

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

(111, 16, 7)  
(167, 14, 12)

- Ans  1. (108, 9, 12)  
 2. (190, 21, 9)  
 3. (131, 12, 11)  
 4. (140, 8, 17)

Q.2 If 15 August 2006 is a Tuesday, then what will the day of the week on 19 February 2012?

- Ans  1. Friday  
 2. Saturday  
 3. Sunday  
 4. Tuesday

Q.3 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$91 \times 7 \div 27 - 7 + 13 = ?$$

- Ans  1. 99  
 2. 66  
 3. 77  
 4. 88

Q.4 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans  1. U4b2weR  
 2. U4pZwER  
 3. R4ew2U  
 4. U4pZwER

Q.5 What should come in place of ? in the given series based on the English alphabetical order?

CKS LRC ? DFW MMG

- Ans
- 1. HGO
  - 2. VMO
  - 3. YAM
  - 4. UYM

Q.6 Which of the following numbers will replace the question mark (?) in the given series?

119 171 223 275 327 ?

- Ans
- 1. 386
  - 2. 357
  - 3. 369
  - 4. 379

Q.7 What should come in place of ? in the given series?

4 13 ? 58 94 139 193

- Ans
- 1. 36
  - 2. 31
  - 3. 27
  - 4. 26

Q.8 Three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- 1. OPSN
  - 2. VWZU
  - 3. EFHD
  - 4. MNQL

Q.9 In a certain language, 'this is music' is written as 'Ta Bu Ka' and 'who touched this' is written as 'Pi Ka Bi'. How is 'this' written in the given language?

- Ans
- 1. Bu
  - 2. Ta
  - 3. Bi
  - 4. Ka

Q.10 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$14 + 6 \times 3 + 7 - 2 = ?$

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

**Q.11** What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

$$46 \div 17 + 4 + 98 - 7 = ?$$

- Ans**
- 1. 100
  - 2. 90
  - 3. 85
  - 4. 80

**Q.12** Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

4	S	☆	A	
8	☆	S	8	?
☆ S A A 4 8 8	A 4 4 ☆ S			

**Ans**

- 1. 

8
A
☆ S 4
- 2. 

☆
A
S 8 4
- 3. 

4
☆
S 8 A
- 4. 

8
A
S 4 ☆

**Q.13** Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

CJM : FMP

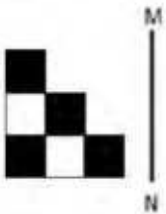
AHL : DKO

- Ans**
- 1. GHA : AHG
  - 2. LTV : TVL
  - 3. KOQ : PLJ
  - 4. NRS : QUV

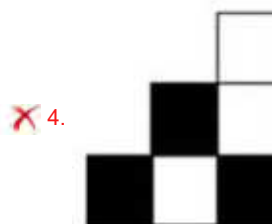
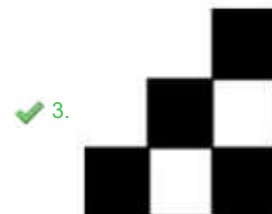
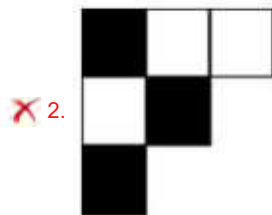
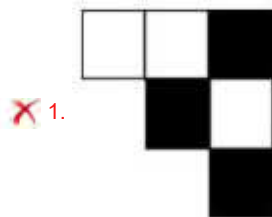
**Q.14** In a certain code language, 'CERTAIN' is coded as '9643821' and 'UNCERTAIN' is coded as '964382117'. What is the code for 'U' in that language?

- Ans**
- 1. 6
  - 2. 7
  - 3. 1
  - 4. 4

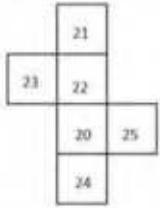
**Q.15** Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



**Ans**

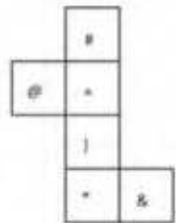


Q.16 What would be the number on the opposite side of '20' if the given sheet is folded to form a cube?



- Ans
- 1. 23
  - 2. 22
  - 3. 21
  - 4. 25

Q.17 What would be the symbol on the opposite side of '@' if the given sheet is folded to form a cube?



- Ans
- 1. #
  - 2. \*
  - 3. &
  - 4. }

Q.18 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

LDP, GHO, BLN, WPM, ?

- Ans
- 1. RSN
  - 2. QSM
  - 3. RTL
  - 4. QSN

Q.19 105 is related to 15 following a certain logic. Following the same logic, 154 is related to 22. To which of the following is 189 related following the same logic?  
(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. 27
  - 2. 29
  - 3. 21
  - 4. 23

**Q.20** Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

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

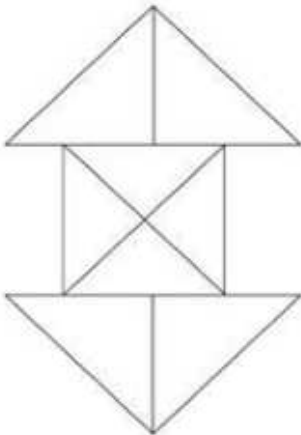
Modest : Humble

- Ans
- 1. Success : Failure
  - 2. Brave : Fearful
  - 3. Obvious : Evident
  - 4. Knowledge : Ignorance

**Q.21** In a certain code language,  
A + B means 'A is the son of B'  
A - B means 'A is the brother of B'  
A × B means 'A is the wife of B'  
A ÷ B means 'A is the father of B'  
Based on the above, how is P related to T if 'P × Q - R + S ÷ T'?

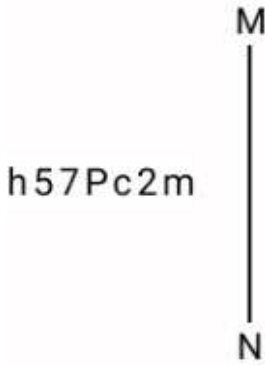
- Ans
- 1. Brother's wife's mother
  - 2. Mother
  - 3. Brother's wife
  - 4. Sister

**Q.22** How many triangles are there in the given figure?



- Ans
- 1. 14
  - 2. 12
  - 3. 16
  - 4. 15

Q.23 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- 1. h57Pc2m
  - 2. h2Vp2cm
  - 3. h57Pc2m
  - 4. h2Vp2cm

Q.24 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 handles are bars.

All bars are rods.

No rod is a stick.

Conclusions:

(I) Some handles are rods.

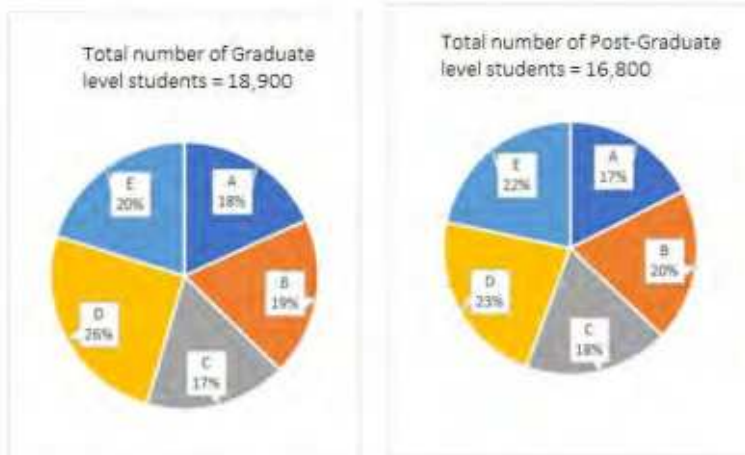
(II) No bar is a stick.

- Ans
- 1. None of the conclusions follow
  - 2. Only conclusion I follows
  - 3. Only conclusion II follows
  - 4. Both conclusions I and II follow

Q.25 How many meaningful English words can be formed with letters CKIK, using each letter only once in each word?

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

Q.1 The given pie-charts show the distribution of Graduate and Post-graduate level students in five different colleges A, B, C, D and E.



What is the ratio between the number of students studying at Post-Graduate and Graduate levels, respectively, from college E?

- Ans
- 1. 48 : 37
  - 2. 32 : 43
  - 3. 16 : 17
  - 4. 44 : 45

Q.2 Find the circumference of a circle whose area is  $154 \text{ m}^2$ .

- Ans
- 1. 52 m
  - 2. 44 m
  - 3. 39 m
  - 4. 29.5 m

Q.3 CD is a tangent to a circle of circumference of 88 cm with its centre at O. OC cuts the circle at P while OD cuts circle at V such that  $\angle COD = 90^\circ$ . Length of PC is 6 cm. What is half of CD (in cm) if OD exceeds OC by 1 cm?

- Ans
- 1. 14.5
  - 2. 15.5
  - 3. 16.5
  - 4. 31

Q.4 A shopkeeper gives a 10% discount and still earns 10% profit. The marked price of the item is how many times (correct to 2 decimal places) the cost price?

- Ans
- 1. 1.28
  - 2. 1.20
  - 3. 1.22
  - 4. 1.24



Q.5 If  $\cot A = 7$ , then the value of  $\frac{5 \cos A + 4 \sin A}{\cos^3 A + 7 \sin^3 A + 6 \sin A}$  is:

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

Q.6 The radius of a roller is 49 cm and its length is 200 cm. It takes 700 complete revolutions to move once over to level a playground. Find the area of the playground. (Use  $\pi = \frac{22}{7}$ .)

- Ans
- 1.  $4312 \times 10^4 \text{ cm}^2$
  - 2.  $4312 \times 10^2 \text{ cm}^2$
  - 3.  $4322 \times 10^4 \text{ cm}^2$
  - 4.  $4312 \times 10^3 \text{ cm}^2$

Q.7 A and B can do a piece of work in 9 days and 15 days, respectively. If they work together, then the work will be completed in:

- Ans
- 1.  $5\frac{5}{8}$  days
  - 2.  $2\frac{1}{8}$  days
  - 3.  $3\frac{3}{8}$  days
  - 4.  $4\frac{5}{8}$  days

Q.8 If 1234567y is divisible by 11, then what is the value of y?

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

Q.9 If the selling price of 100 pens is equal to the cost price of 140 pens, find the profit percentage.

- Ans
- 1. 30%
  - 2. 40%
  - 3. 45%
  - 4. 36%

Q.10 A man can row 18 km/h in still water. It takes him two times as long to row up as to row down the river. Find the rate of the stream.

- Ans
- 1. 9 km/h
  - 2. 12 km/h
  - 3. 24 km/h
  - 4. 6 km/h

Q.11 In a triangle ABC, AB = 6 units, BC = 8 units and AC = 10 units. Let M be a point on AC such that BM = 5 units. With a point D, a triangle BMD is formed and the triangle BMD is similar to the triangle ABC with  $\frac{BM}{AB} = \frac{BD}{AC}$ . What is the length of BD in units?

- Ans
- 1.  $\frac{40}{3}$
  - 2.  $\frac{10}{3}$
  - 3.  $\frac{25}{3}$
  - 4.  $\frac{35}{3}$

Q.12 If the radii of two circles are 6 cm and 3 cm and the length of the transverse common tangent is 8 cm, then the distance between the two circles is:

- Ans
- 1.  $\sqrt{145}$
  - 2.  $\sqrt{141}$
  - 3.  $\sqrt{147}$
  - 4.  $\sqrt{143}$

Q.13 An amount becomes double in 7 years on simple interest. The amount would be four times in \_\_\_\_\_ years on the same rate of simple interest.

- Ans
- 1. 14
  - 2. 18
  - 3. 21
  - 4. 28

Q.14 P pays Q a sum of ₹150 using coins of ₹2, ₹5 and ₹10. He uses a total of 50 coins. If the ratio of ₹2 and ₹5 coins used is 5 : 2, then how many coins of ₹10 are used in the payment?

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

Q.15 If the price of an article is raised by 35%, by how much per cent must a householder reduce his consumption of that article, so as not to increase his expenditure?

- Ans
- 1.  $25\frac{25}{27}\%$
  - 2.  $25\frac{23}{27}\%$
  - 3.  $25\frac{22}{27}\%$
  - 4.  $25\frac{24}{27}\%$

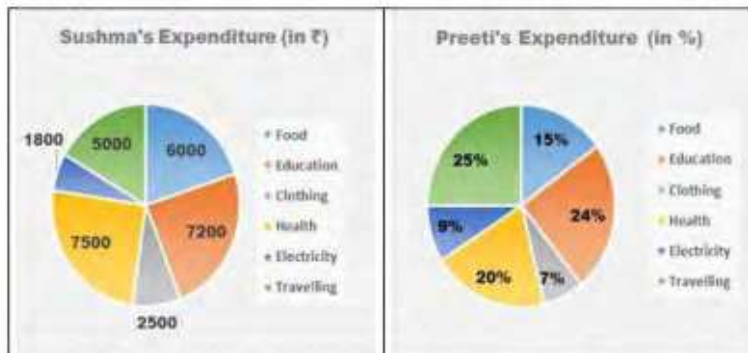
**Q.16** The curved surface area of a cone is  $2200 \text{ cm}^2$  and its radius is 28 cm, what is the slant height (in cm) of the cone? (Use  $\pi = \frac{22}{7}$ )

- Ans
- 1. 22
  - 2. 23
  - 3. 24
  - 4. 25

**Q.17** In what ratio must a grocer mix two varieties of pulses costing ₹60 and ₹75 per kg, respectively, so as to get a mixture worth ₹65 per kg?

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

**Q.18** Following Pie chart presents monthly expenditure by Sushma and Preeti in different heads. Sushma and Preeti make equal expenditure every month.



What is the difference between the expenditure (in ₹) done on Food by Sushma and Preeti?

- Ans
- 1. 1500
  - 2. 500
  - 3. 1000
  - 4. 750

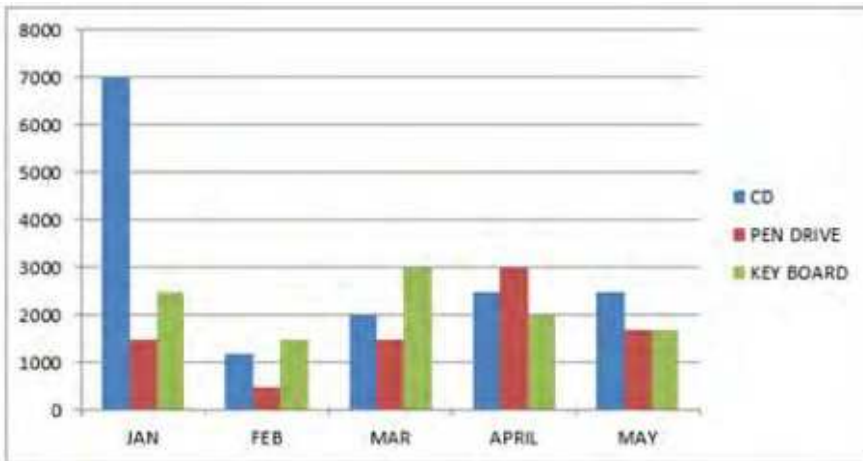
**Q.19** The cost price of an item increased from ₹2,500 to ₹3,000. Find the increase percentage.

- Ans
- 1. 30%
  - 2. 20%
  - 3. 15%
  - 4. 25%

**Q.20** In an election between two candidates A and B, A got 33% of total votes casted and still lost by 55,522 votes. Find the total number of votes got by B.

- Ans
- 1. 1,09,411
  - 2. 1,04,911
  - 3. 1,09,141
  - 4. 1,09,114

Q.21 The bar graph represents the production of different spare parts of computer in different months.



The ratio between the number of pen drives produced in the month of Jan, March and April is:

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

Q.22 Given below is the observed data of the ages of various children.

Age in years	Number of children
6	8
7	3
8	7
9	2
10	20

What is the difference between the mean and mode of the ages?

- Ans
- 1. 1.425 years
  - 2. 4.425 years
  - 3. 3.425 years
  - 4. 2.425 years

Q.23 Simplify:  
 $(36 \div 6) \div 3 + (18 \div 9) \times 4 - (12 \div 6) \times (5 \div 2) =$

- Ans
- 1. 15
  - 2. 21
  - 3. 10
  - 4. 5

Q.24 In an isosceles triangle, the angle between equal sides is  $40^\circ$ . The bisectors of the other two angles will intersect each other at an angle of:

- Ans
- 1.  $100^\circ$
  - 2.  $105^\circ$
  - 3.  $120^\circ$
  - 4.  $110^\circ$

Q.25 If  $A : B = 3 : 7$  and  $B : C = 2 : 5$ , find  $A : B : C$ .

- Ans
- 1.  $4 : 10 : 3$
  - 2.  $10 : 3 : 4$
  - 3.  $6 : 14 : 35$
  - 4.  $4 : 3 : 10$

Q.1 Which folk music is based on the Mahabharata with Bhima portrayed as hero?

- Ans
- 1. Dandiya
  - 2. Pandavani
  - 3. Alha
  - 4. Mando

Q.2 The Indian festival of Holi comes every year in the season of:

- Ans
- 1. spring
  - 2. autumn
  - 3. summer
  - 4. winter

Q.3 Who is the author of Natyashastra?

- Ans
- 1. Prabhupada
  - 2. Patanjali
  - 3. Bharatmuni
  - 4. Panini

Q.4 In his 'Drain of Wealth' argument, who among the following stated that Britain was completely draining India?

- Ans
- 1. Badruddin Tyabji
  - 2. Lala Lajpat Rai
  - 3. Dadabhai Naoroji
  - 4. Bal Gangadhar Tilak

**Q.5 How might ICT enhance the openness of e-land records?**

- Ans  1. Enabling quick search and retrieval of land records  
 2. Facilitating manual record updates and amendments  
 3. Enforcing strict regulations on land transactions  
 4. Reducing the need for land surveys and assessments

**Q.6 In field hockey, \_\_\_\_\_ occurs when a player pushes the ball and raises it off the ground.**

- Ans  1. bully  
 2. slap  
 3. flick  
 4. centre pass

**Q.7 In 2022, the National Green Tribunal advised which of the following Ministries to form a three-member panel to formulate safeguards and guidelines to be followed by the State Environment Impact Assessment Authorities?**

- Ans  1. Ministry of Home Affairs  
 2. Ministry of Law and Justice  
 3. Ministry of Health and Family Welfare  
 4. Ministry of Environment, Forest and Climate Change

**Q.8 Which of the following states launched the first Migration Monitoring System in the year 2022?**

- Ans  1. Maharashtra  
 2. Karnataka  
 3. Kerala  
 4. Goa

**Q.9 Who is known as the 'Father of Carnatic Music'?**

- Ans  1. Vidyaranya  
 2. Purandara Dasa  
 3. Thirunal Rama Varma  
 4. Vishwanath Iyer

**Q.10 Writ of Mandamus is a Fundamental Right classifiable under:**

- Ans  1. cultural and educational rights  
 2. the right to freedom of religion  
 3. constitutional remedies  
 4. the right to equality

**Q.11 Which country do the 'Veddas' traditional forest dwellers who foraged, hunted and lived in close-knit groups in caves in the dense jungles?**

- Ans  1. Sri Lanka  
 2. Nepal  
 3. Myanmar  
 4. Bhutan

**Q.12** Which amongst the following terms was used for the land given to Brahmins during the Chola empire?

- Ans  1. Vellanvagai  
 2. Shalabhoga  
 3. Brahmadeya  
 4. Tirunmatukkani

**Q.13** How is the structure of health infrastructure and health care system in India?

- Ans  1. Three-tier system  
 2. Five-tier system  
 3. Two-tier system  
 4. Four-tier system

**Q.14** Which group of animals has a segmented spinal column together with a few primitive forms in which the backbone is represented by a notochord?

- Ans  1. Vertebrata  
 2. Echinodermata  
 3. Mollusca  
 4. Arthropoda

**Q.15** What is the name of the highest peak of the Eastern Ghats?

- Ans  1. Kangchenjunga  
 2. Mahendragiri  
 3. Khasi  
 4. Anamudi

**Q.16** Which language is known as 'Italian of the East'?

- Ans  1. Telugu  
 2. Malayalam  
 3. Marathi  
 4. Kannada

**Q.17** The method of separating a mixture of soluble solids by dissolving them in a suitable hot solvent and then lowering the temperature slowly is called:

- Ans  1. azeotropic distillation  
 2. sublimation  
 3. dephlegmation  
 4. fractional crystallisation

**Q.18** In which year did Indian archers participate in the Olympics for the first time?

- Ans  1. 1980  
 2. 1973  
 3. 1988  
 4. 1975

**Q.19** In MS Word, which option allows you to align text in a way that it appears vertically at the bottom of a cell or text box?

- Ans
- 1. Center Alignment
  - 2. Justify Alignment
  - 3. Bottom Alignment
  - 4. Distributed Alignment

**Q.20** Which of the following planets does NOT have a ring around it?

- Ans
- 1. Uranus
  - 2. Saturn
  - 3. Jupiter
  - 4. Mercury

**Q.21** Which of the following is NOT associated with the Industrial Policy Resolution, 1956?

- Ans
- 1. Regional equality was promoted.
  - 2. A system of licenses for the private sector was introduced.
  - 3. It classified industries into three categories.
  - 4. It formed the basis of the Third Five Year Plan.

**Q.22** \_\_\_\_\_ was sworn in as Central Vigilance Commissioner on 29 May 2023.

- Ans
- 1. Arti C Srivastava
  - 2. Uday Veer Singh
  - 3. Sarvan Kumar
  - 4. Praveen Kumar Srivastava

**Q.23** What is the circumference of the International Football Association Board (IFAB) approved football?

- Ans
- 1. 68 - 70 cms
  - 2. 80 - 82 cms
  - 3. 78 - 80 cms
  - 4. 70 - 72 cms

**Q.24** Which of the following Articles of the Constitution of India CANNOT be amended with simple majority?

- Ans
- 1. 169
  - 2. 2
  - 3. 21
  - 4. 3

**Q.25** As compared to monopolistic competition, the demand curve in a monopoly is:

- Ans
- 1. more elastic
  - 2. equally elastic
  - 3. infinitely elastic
  - 4. less elastic



## Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	
Exam Date	01/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

**Q.1** The given sentence is divided into four segments. Identify the segment that contains a grammatical error.

When it / come to football, / my brother is / an addict.

- Ans
- 1. When it
  - 2. come to football,
  - 3. my brother is
  - 4. an addict.

**Q.2** Select the option with the correct use of article(s).

- Ans
- 1. I was rude to him when I was in the fit of rage.
  - 2. I was rude to him when I was in an fit of rage.
  - 3. I was rude to him when I was in a fit of rage.
  - 4. I was rude to him when I was in fit of rage.

**Q.3** The following sentence has been divided into four segments. Identify the segment that contains an error.

Throw of / the old shoes; / nobody will wear / them now.

- Ans
- 1. nobody will wear
  - 2. Throw of
  - 3. them now.
  - 4. the old shoes;

**Q.4** Select the option with the correct use of present tense.

- Ans
- 1. She had spend all her money on make-up in order to look beautiful.
  - 2. She spends all her money on make-up in order to look beautiful.
  - 3. She has spend all her money on make-up in order to look beautiful.
  - 4. She spended all her money on make-up in order to look beautiful.

**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.

During the days of slavery, there lived (1)\_\_\_\_\_ very hard-working slave. One day, (2)\_\_\_\_\_ freedom, he ran away from his masters house. As he passed a forest, he saw a lion (3)\_\_\_\_\_ with pain, for a huge thorn had pierced its paw. The slave felt sorry for the lion and took out the thorn gently. The grateful lion licked the slaves hand. But just then, both of (4)\_\_\_\_\_ were captured by the soldiers. The king ordered, "Let the runaway slave (5)\_\_\_\_\_ thrown in front of a hungry lion." But, when the slave was thrown in front of the lion, the lion licked him and quietly sat beside him. The amazed king asked the reason. The slave told the king everything. The king pardoned the slave. The lion was also freed and sent to the forest.

**SubQuestion No : 5**

**Q.5 Select the most appropriate option to fill in blank number 1.**

Ans  1. a

2. two

3. the

4. an

**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.

During the days of slavery, there lived (1)\_\_\_\_\_ very hard-working slave. One day, (2)\_\_\_\_\_ freedom, he ran away from his masters house. As he passed a forest, he saw a lion (3)\_\_\_\_\_ with pain, for a huge thorn had pierced its paw. The slave felt sorry for the lion and took out the thorn gently. The grateful lion licked the slaves hand. But just then, both of (4)\_\_\_\_\_ were captured by the soldiers. The king ordered, "Let the runaway slave (5)\_\_\_\_\_ thrown in front of a hungry lion." But, when the slave was thrown in front of the lion, the lion licked him and quietly sat beside him. The amazed king asked the reason. The slave told the king everything. The king pardoned the slave. The lion was also freed and sent to the forest.

**SubQuestion No : 6**

**Q.6 Select the most appropriate option to fill in blank number 2.**

Ans  1. to gain

2. gained

3. gains

4. gain

**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.

During the days of slavery, there lived (1)\_\_\_\_\_ very hard-working slave. One day, (2)\_\_\_\_\_ freedom, he ran away from his masters house. As he passed a forest, he saw a lion (3)\_\_\_\_\_ with pain, for a huge thorn had pierced its paw. The slave felt sorry for the lion and took out the thorn gently. The grateful lion licked the slaves hand. But just then, both of (4)\_\_\_\_\_ were captured by the soldiers. The king ordered, "Let the runaway slave (5)\_\_\_\_\_ thrown in front of a hungry lion." But, when the slave was thrown in front of the lion, the lion licked him and quietly sat beside him. The amazed king asked the reason. The slave told the king everything. The king pardoned the slave. The lion was also freed and sent to the forest.

**SubQuestion No : 7**

**Q.7 Select the most appropriate option to fill in blank number 3.**

Ans  1. roaring

2. roared

3. roar

4. roars

**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.

During the days of slavery, there lived (1)\_\_\_\_\_ very hard-working slave. One day, (2)\_\_\_\_\_ freedom, he ran away from his masters house. As he passed a forest, he saw a lion (3)\_\_\_\_\_ with pain, for a huge thorn had pierced its paw. The slave felt sorry for the lion and took out the thorn gently. The grateful lion licked the slaves hand. But just then, both of (4)\_\_\_\_\_ were captured by the soldiers. The king ordered, "Let the runaway slave (5)\_\_\_\_\_ thrown in front of a hungry lion." But, when the slave was thrown in front of the lion, the lion licked him and quietly sat beside him. The amazed king asked the reason. The slave told the king everything. The king pardoned the slave. The lion was also freed and sent to the forest.

**SubQuestion No : 8**

**Q.8** Select the most appropriate option to fill in blank number 4.

- Ans  1. him  
 2. them  
 3. us  
 4. her

**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.

During the days of slavery, there lived (1)\_\_\_\_\_ very hard-working slave. One day, (2)\_\_\_\_\_ freedom, he ran away from his masters house. As he passed a forest, he saw a lion (3)\_\_\_\_\_ with pain, for a huge thorn had pierced its paw. The slave felt sorry for the lion and took out the thorn gently. The grateful lion licked the slaves hand. But just then, both of (4)\_\_\_\_\_ were captured by the soldiers. The king ordered, "Let the runaway slave (5)\_\_\_\_\_ thrown in front of a hungry lion." But, when the slave was thrown in front of the lion, the lion licked him and quietly sat beside him. The amazed king asked the reason. The slave told the king everything. The king pardoned the slave. The lion was also freed and sent to the forest.

**SubQuestion No : 9**

**Q.9** Select the most appropriate option to fill in blank number 5.

- Ans  1. been  
 2. be  
 3. being  
 4. is

**Q.10** Select the option that will improve the underlined part of the given sentence.

This win could enhance to be a historic turning point in the fortunes of the team.

- Ans  1. prove  
 2. demonstrate  
 3. confirm  
 4. accomplish

**Q.11** Select the option that will improve the underlined part of the given sentence.

Mothers have great animosity for their children.

- Ans  1. affection  
 2. affectation  
 3. absurdity  
 4. abasement

**Q.12 Identify the INCORRECTLY spelt word in the following sentence and select its correct spelling from the given options.**

The committee heard that he had been negligent in his duty.

- Ans
- 1. dutie
  - 2. comittee
  - 3. negligent
  - 4. hurd

**Q.13 Select the most appropriate ANTONYM of the underlined word in the given sentence.**  
The organisation's furtive actions must be taken into notice and dealt with accordingly.

- Ans
- 1. Shady
  - 2. Truthful
  - 3. Foxy
  - 4. Futuristic

**Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence.**  
Sonam's cat used to chase the mouse into the kitchen and knock through a tower of pots and pans.

- Ans
- 1. knock over a tower of pots
  - 2. knock out a tower of pots
  - 3. knock away a tower of pots
  - 4. knock inside a tower of pots

**Q.15 Select the most appropriate ANTONYM of the underlined word in the given sentence.**  
Prajakta is a very vain girl.

- Ans
- 1. Hopeful
  - 2. Honourable
  - 3. Humble
  - 4. Honest

**Q.16 There is a spelling error in the given sentence. Select the option that contains the INCORRECTLY spelt word.**  
The precious bookshelf was carefully decorated with religiuos books.

- Ans
- 1. religiuos
  - 2. carefully
  - 3. precious
  - 4. decorated

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

- Ans
- 1. Deep
  - 2. Huge
  - 3. Disastrous
  - 4. Attractive

**Q.18** Select the most appropriate idiom for the underlined segment in the following sentence.

The arrival of Pragati in the house brought disharmony among the family members.

- Ans
- 1. A cry in the wilderness
  - 2. Hair breadth
  - 3. Rift in the lute
  - 4. Tenterhooks

**Q.19** Identify the most appropriate ANTONYM of the underlined word in the following sentence.

A boisterous horse must have a rough bridle.

- Ans
- 1. Loud
  - 2. Calm
  - 3. Rowdy
  - 4. Bouncy

**Q.20** Select the most appropriate ANTONYM of the underlined word in the given sentence.  
Ralph's condition worsened in the hospital.

- Ans
- 1. Changed
  - 2. Scaled
  - 3. Traversed
  - 4. Improved

**Q.21** Select the most appropriate meaning of the given idiom.  
Cost an arm and a leg

- Ans
- 1. To be affordable
  - 2. To be moderately priced
  - 3. To be inexpensive
  - 4. To be very expensive

**Q.22** Select the most appropriate ANTONYM of the given word.  
Stingy

- Ans
- 1. Deceitful
  - 2. Lascivious
  - 3. Humorous
  - 4. Generous

**Q.23** 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 improvement required'.  
I am so glad that I ran into you on the way.

- Ans
- 1. ran away
  - 2. ran over
  - 3. No improvement required
  - 4. ran out of

Q.24 Select the most appropriate synonym of the given word.

Fasten

- Ans  1. Undo  
 2. Loosen  
 3. Bolt  
 4. Detach

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

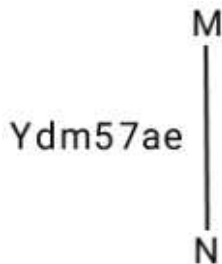
The CEO's decision to cut benefits was a \_\_\_\_\_ move.

- Ans  1. rigorous  
 2. laborious  
 3. humorous  
 4. harsh

Q.1 If 1 January 2020 was a Wednesday, then what day of the week was it on 1 January 2021?

- Ans  1. Wednesday  
 2. Thursday  
 3. Tuesday  
 4. Friday

Q.2 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans  1. Ydm57ae  
 2. Yqm59ae  
 3. Yqm57ae  
 4. Ymp57ae

**Q.3** Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

D	2	K	X	O	V	V	X	O	K	D	2	
V	O	X	K	2	D	2	D	K	O	X	V	?

**Ans**

1.

D	2	K
V	O	X

2.

2	K	D
V	O	X

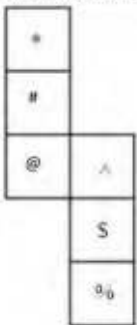
3.

D	2	K
X	V	O

4.

2	K	D
X	V	O

**Q.4** What would be the symbol on the opposite side of '@' if the given sheet is folded to form a cube?



**Ans**

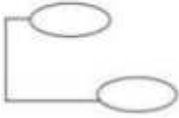
1. \*

2. %

3. S

4. ^

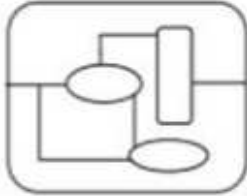
Q.5 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



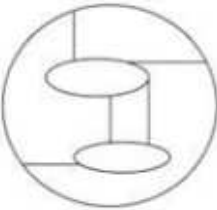
(X)

Ans

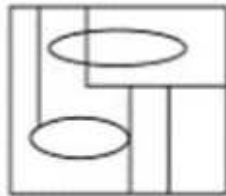
✓ 1.



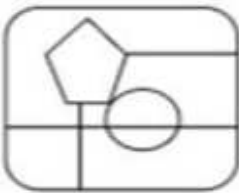
✗ 2.



✗ 3.



✗ 4.



Q.6 What should come in place of the question mark (?) in the given series?

4, 20, 100, 500, 2500, ?

Ans ✗ 1. 12700

✓ 2. 12500

✗ 3. 12600

✗ 4. 12200

Q.7 In a certain language, 'make someone happy' is written as 'Ab Te Dp' and 'someone robbed him' is written as 'Te Ko Vi'. How is 'someone' written in the given language?

Ans ✗ 1. Ko

✗ 2. Ab

✓ 3. Te

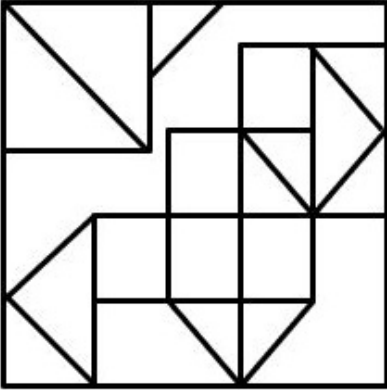
✗ 4. Vi



Q.8 The position of how many letters will change if each of the letters in the word TROUBLEMAKING is arranged from left to right in alphabetical order?

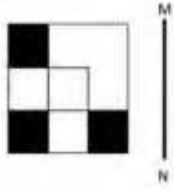
- Ans
- 1. Eleven
  - 2. All
  - 3. Twelve
  - 4. Ten

Q.9 How many triangles are there in the given figure?



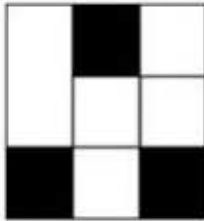
- Ans
- 1. 12
  - 2. 11
  - 3. 13
  - 4. 15

Q.10 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

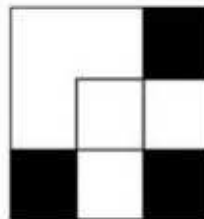


Ans

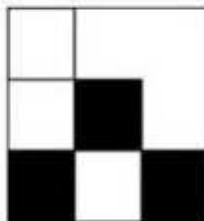
1.



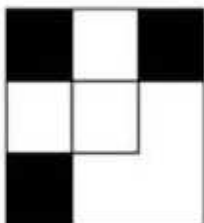
2.



3.



4.



Q.11 What should come in place of ? in the given series based on the English alphabetical order?

DLT ZHP VDL ? NVD

1. BLV

2. DNX

3. CMW

4. RZH

Q.12 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 217?

1. 32 A 5 D 10 B 2 C 62

2. 32 B 5 D 10 A 2 C 62

3. 32 B 5 D 10 C 2 A 62

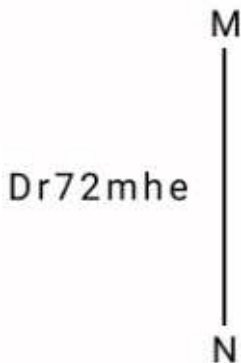
4. 32 D 5 B 10 A 2 C 62

**Q.13** Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)  
(59, 83, 97)  
(63, 87, 101)

- Ans
- 1. (67, 91, 115)
  - 2. (71, 95, 109)
  - 3. (51, 65, 89)
  - 4. (48, 82, 96)

**Q.14** Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- 1. Dr72mhe
  - 2. Dr72mhe
  - 3. Dr72mhe
  - 4. Dr72mhe

**Q.15** FHGE is related to IKJH in a certain way based on the English alphabetical order. In the same way, HJIG is related to KMLJ. To which of the following is RTSQ related, following the same logic?

- Ans
- 1. TVUS
  - 2. UVWT
  - 3. VWUT
  - 4. UWVT

**Q.16** 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 watches are dials.  
All dials are phones.  
Some phones are mobiles.

Conclusions:

(I) No watch is a phone.  
(II) Some dials are mobiles.

- Ans
- 1. Only conclusion II follows
  - 2. Only conclusion I follows
  - 3. None of the conclusions follow
  - 4. Both conclusions I and II follow

Q.17 CZ22 is related to HE33 in a certain way. In the same way, QN47 is related to VS58. To which of the following is WT7 related following the same logic?

- Ans
- 1. GA18
  - 2. GA21
  - 3. BY18
  - 4. BY21

Q.18 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- 1. JMP
  - 2. BEI
  - 3. KNR
  - 4. SVZ

Q.19 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged?  
 $18 - 2 + 12 \times 4 + 7 = ?$

- Ans
- 1. 30
  - 2. 45
  - 3. 49
  - 4. 37

Q.20 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and ' $\times$ ' and ' $\div$ ' are interchanged?  
 $209 + 2 + 14 - 120 \times 3 = ?$

- Ans
- 1. 434
  - 2. 454
  - 3. 412
  - 4. 444

Q.21 In a certain code language,  
'M & N' means 'M is the father of N',  
'M@N' means 'M is the daughter of N',  
'M#N' means 'M is the brother of N',  
'M % N' means 'M is the mother of N'.  
Based on this, how is A related to E, if 'A & B # C @ D % E'?

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

Q.22 In a certain code language, 'I am boy' is coded as 'it sit pit' and 'I am girl' is coded as 'sit nit it'. What is the code for 'girl' in that language?

- Ans
- 1. it
  - 2. sit
  - 3. nit
  - 4. pit

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

\_ n p \_ r r \_ p \_ m m \_ p q \_ r q \_ n m \_ n p \_ r r q \_ n m

- Ans
- 1. mqqnrpmqp
  - 2. mqqnrpmqp
  - 3. mrqnrmpqp
  - 4. mqqrnpmqp

Q.24 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

64 : 512 :: 169 : ? :: 225 : 3375

- Ans
- 1. 1026
  - 2. 872
  - 3. 1852
  - 4. 2197

Q.25 What should come in place of '?' in the given series?

21 60 177 528 1581 ?

- Ans
- 1. 4570
  - 2. 4892
  - 3. 4636
  - 4. 4740

Q.1 A robber steals a bag from a man at 5 p.m. and starts running at 10 km/h. A policeman is informed about the robber at 5:12 p.m. and he chases him on a cycle at 15 km/h. At what time is the robber caught by the policeman?

- Ans
- 1. 5:36 p.m.
  - 2. 5:48 p.m.
  - 3. 5:40 p.m.
  - 4. 5:12 p.m.

Q.2 Study the given table and answer the question that follows.

The table shows the results of half-yearly and annual examinations of three sections A, B, C of class X students in a school.

Result	Number of students		
	Section A	Section B	Section C
Students failed in both exams	39	20	12
Students failed in half-yearly but passed in annual exams	16	14	6
Students passed in half-yearly but failed in annual exams	10	12	8
Students passed in both exams	65	45	35

Find the failed percentage of section C in at least one of the two examinations.

- Ans
- 1. 30.81%
  - 2. 42.62%
  - 3. 10.42%
  - 4. 38.23%

Q.3 Diagonals of a trapezium ABCD with  $AB \parallel DC$ , intersect each other at the point 'O'. If  $AB = 2.5CD$ , find the ratio of the area of triangle AOB to the area of triangle COD.

- Ans
- 1. 16:1
  - 2. 25:4
  - 3. 9:2
  - 4. 5:2

Q.4 If the side of a cube is 3, which of the following options is equal to the ratio between the surface area and the volume of the cube?

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

Q.5 Find the lowest positive value of  $(c - b)$  such that the 7-digit number 1738b9c is divisible by 12.

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

Q.6 The population of a city was 5000000 in 2020. The population grows 7.5% annually. The population in 2022 is \_\_\_\_\_.

- Ans
- 1. 5558875
  - 2. 5887125
  - 3. 5875215
  - 4. 5778125

Q.7 Successive division of a number by 2, 3, 5 and 7 gives remainders 1,4,0 and 5, respectively. What will be the sum of the remainders if the same number is divided by 7, 5,3 and 2 successively?

- Ans
- 1. 17
  - 2. 8
  - 3. 10
  - 4. 9

Q.8 The surface area of a sphere is  $2464 \text{ cm}^2$ . Find its volume.

- Ans
- 1.  $13121 \frac{1}{3} \text{ cm}^3$
  - 2.  $11498 \frac{2}{3} \text{ cm}^3$
  - 3.  $11892 \frac{2}{3} \text{ cm}^3$
  - 4.  $11621 \frac{1}{3} \text{ cm}^3$

Q.9 Sumit's income in 2020 was ₹21,000. He gets an increment of 10% every year. What was his income in 2022?

- Ans
- 1. ₹29,100
  - 2. ₹26,530
  - 3. ₹25,410
  - 4. ₹23,100

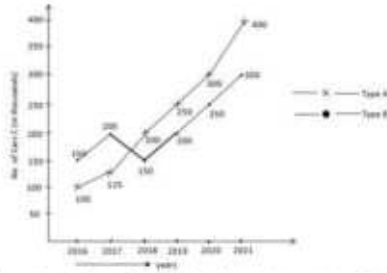
Q.10 If the selling price of 40 articles is equal to the cost price of 50 articles, then the percentage gain is:

- Ans
- 1. 20%
  - 2. 35%
  - 3. 25%
  - 4. 30%

Q.11 One company is offering a 25% discount on a particular product. Anurag visited a store. He was trying to find a deal that would allow him to save at least ₹390. How many minimum items should he purchase if each item costs ₹340?

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

Q.12 The following graph shows the production (in thousands) of two types (A and B) of cars by a company over the years 2016 to 2021.



The ratio of the total production of type A cars to type B cars over the years is:

- Ans
- 1. 11 : 10
  - 2. 10 : 21
  - 3. 10 : 11
  - 4. 21 : 10

Q.13 The simple interest on the sum for 12 years is three-fifth of the sum. The rate of interest per annum is:

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

Q.14 In an election, a candidate secured 41% of the votes polled and lost the election by 97,632. What is the number of votes obtained by the winning candidate?

- Ans
- 1. 542400
  - 2. 320016
  - 3. 360072
  - 4. 222384

Q.15  $12 \sin^2 A + 2 \cos^2 A = 7$ , where  $0 < A < 180^\circ$ . Then  $\cot A$  is:

- Ans
- 1.  $\pm \frac{1}{\sqrt{2}}$
  - 2.  $\pm 1$
  - 3.  $\pm \frac{1}{\sqrt{3}}$
  - 4.  $\pm \frac{1}{2}$

Q.16 Fifteen persons working 12 hours a day earn ₹18,000 per week. How many rupees will 18 persons working 9 hours a day earn per week?

- Ans
- 1. ₹16,020
  - 2. ₹16,200
  - 3. ₹12,060
  - 4. ₹12,600



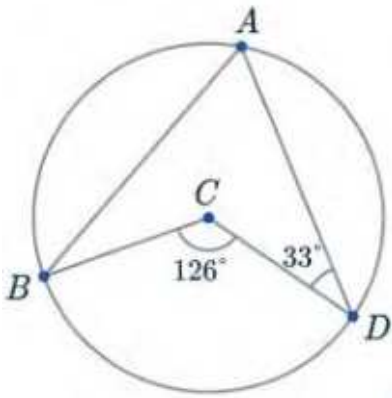
Q.17 M varies inversely as  $(N^2 + 3)$ . If  $M = 3$  when  $N = 3$ , then what will be the value of M when  $N^2 = 69$ ?

- Ans
- 1. 1
  - 2.  $\frac{1}{6}$
  - 3.  $\sqrt{69}$
  - 4.  $\frac{1}{2}$

Q.18 The difference between two numbers is 48. The ratio of these two numbers is 7 : 3. What is the sum of the two numbers?

- Ans
- 1. 110
  - 2. 100
  - 3. 90
  - 4. 120

Q.19 Given is a circle with centre at C. A, B and D are the points on the circumference. Find  $\angle ABC$ .

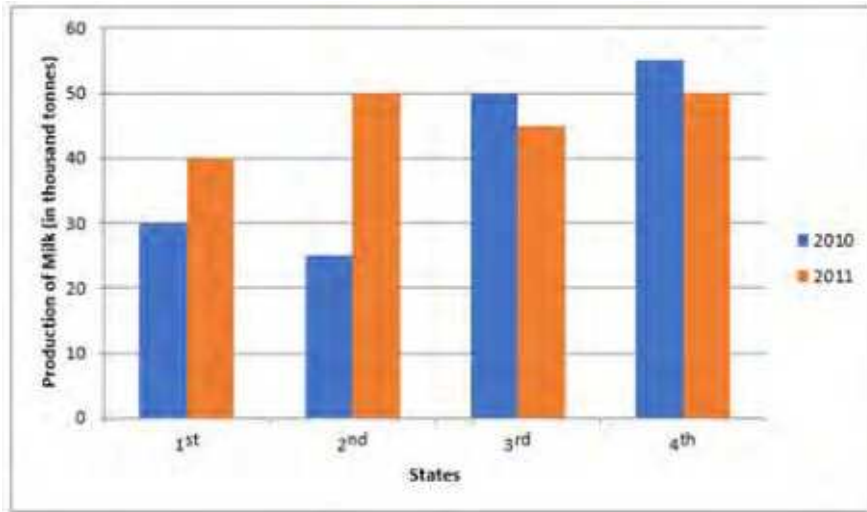


- Ans
- 1.  $37^\circ$
  - 2.  $52^\circ$
  - 3.  $53^\circ$
  - 4.  $32^\circ$

Q.20 Which of the following are the sides of a right-angled triangle?

- Ans
- 1. 16 cm, 31 cm, 34 cm
  - 2. 12 cm, 16 cm, 20 cm
  - 3. 6 cm, 7 cm, 10 cm
  - 4. 5 cm, 11 cm, 13 cm

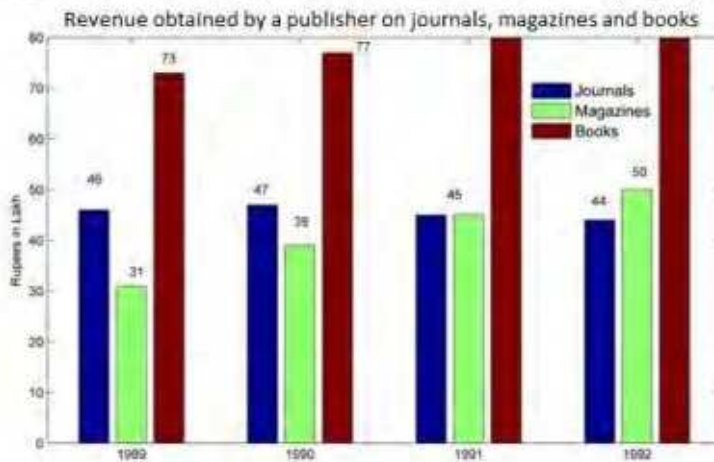
Q.21 The following graph shows the production of milk in 4 states in 2010 and 2011.



The difference between the average production (in thousand tonnes) for all state in both years is:

- Ans
- 1. 7.25
  - 2. 6.25
  - 3. 6.75
  - 4. 7.75

Q.22 Answer the following question on the basis of the bar graph given.



Which year shows the highest change in the revenue obtained from magazines?

- Ans
- 1. 1989
  - 2. 1990
  - 3. 1991
  - 4. 1992

**Q.23** There are 12 workers in an office and the average age of all the workers is  $35\frac{1}{2}$  years. A new worker joins the office, the average becomes 37 years. The current age of the newly joined worker is:

- Ans
- 1.  $57\frac{1}{2}$  years
  - 2.  $47\frac{1}{2}$  years
  - 3. 55 years
  - 4.  $55\frac{1}{2}$  years

**Q.24** Two circles of radius 7 units each, intersect in such a way that the common chord is of length 7 units. What is the common area in square units of the intersection?

- Ans
- 1.  $98\left(\frac{\pi}{6} - \frac{\sqrt{3}}{3}\right)$
  - 2.  $98\left(\frac{\pi}{3} - \frac{\sqrt{3}}{4}\right)$
  - 3.  $98\left(\frac{\pi}{6} - \frac{\sqrt{3}}{6}\right)$
  - 4.  $98\left(\frac{\pi}{6} - \frac{\sqrt{3}}{4}\right)$

**Q.25** Find the diameter of a spherical ball whose volume is  $38.808 \text{ cm}^3$ . (Use  $\pi = \frac{22}{7}$ )

- Ans
- 1. 4.8 cm
  - 2. 4.4 cm
  - 3. 4.6 cm
  - 4. 4.2 cm

**Q.1** Mewar festival is celebrated during the \_\_\_\_\_ festival at Udaipur

- Ans
- 1. Gangaur
  - 2. Teej
  - 3. Dusshera
  - 4. Holi

**Q.2** Which of the following Articles prohibits traffic in human beings and forced labour?

- Ans
- 1. Article 25
  - 2. Article 23
  - 3. Article 22
  - 4. Article 28

**Q.3** If there is a fall in the demand of a good, the equilibrium price is expected to:

- Ans  1. first rise, and then fall sharply  
 2. fall  
 3. Rise  
 4. neither fall nor rise

**Q.4** In which country is the 'Kachin Manaw Festival' celebrated?

- Ans  1. Myanmar  
 2. Maldives  
 3. Sri Lanka  
 4. Nepal

**Q.5** The zone separating the troposphere from the stratosphere is called the \_\_\_\_\_.

- Ans  1. Tropopause  
 2. stratospause  
 3. Stratomerge  
 4. Tropomerge

**Q.6** Correctly match the following.

Type of Industries	Name of Company
1. Public sector	a. Tata Iron and Steel Company
2. Private sector	b. Bharat Heavy Electricals Limited
3. Joint sector	c. Oil India Ltd

- Ans  1. 1-c, 2-b, 3-a  
 2. 1-b, 2-c, 3-a  
 3. 1-b, 2-a, 3-c  
 4. 1-a, 2-b, 3-c

**Q.7** Which of the following is more important to promote modernisation and overall prosperity of a country?

- Ans  1. Stable unemployment  
 2. Stable import  
 3. Stable employment  
 4. Stable export

**Q.8** After independence, the Census Act was enacted in India in the year \_\_\_\_\_.

- Ans  1. 1960  
 2. 1962  
 3. 1955  
 4. 1948

**Q.9 Which sub-division of Himalayas are famous for Karewa formations?**

- Ans
- 1. Sikkim Himalayas
  - 2. Arunachal Himalayas
  - 3. Uttarakhand Himalayas
  - 4. Kashmir Himalayas

**Q.10 Which technology is associated with providing high-speed wireless data transmission for mobile devices?**

- Ans
- 1. GPS
  - 2. Wi-Max
  - 3. GPRS
  - 4. LTE

**Q.11 On 31 October 1940, who among the following was arrested for offering individual Satyagraha to protest against India's forced participation in Second World War?**

- Ans
- 1. Sardar Vallabhbhai Patel
  - 2. Saifuddin Kitchlew
  - 3. Jawaharlal Nehru
  - 4. Subhas Chandra Bose

**Q.12 Which organisation launched the Indian Customs Compliance Information Portal (CIP) for providing free access to information on all Customs procedures and regulatory compliance for nearly 12,000 Customs Tariff items in the year 2021?**

- Ans
- 1. Central Board for Direct Taxes
  - 2. Central Board for Indirect Taxes & Customs
  - 3. Directorate of Enforcement
  - 4. Income Tax Settlement Commission

**Q.13 Of the football clubs listed below, which is the oldest in India?**

- Ans
- 1. Bombay FC
  - 2. FC Kochin
  - 3. Madras FC
  - 4. Calcutta FC

**Q.14 Folk songs in \_\_\_\_\_ are called Raganis.**

- Ans
- 1. Haryana
  - 2. Uttar Pradesh
  - 3. Bihar
  - 4. Madhya Pradesh

**Q.15 In which event at the 2023 U-20 Asian Athletics Championships did Siddharth Choudhary win a gold medal for India?**

- Ans
- 1. Triple jump
  - 2. Shot put
  - 3. Hammer throw
  - 4. Discus throw

Q.16 Mayadhar Raut is an exponent of the Indian classical dance form \_\_\_\_\_.

- Ans
- 1. Kathak
  - 2. Bharatnatyam
  - 3. Odissi
  - 4. Kuchipudi

Q.17 Who among the following was the founder of 'Vikramshila Vishwavidyalaya'?

- Ans
- 1. Mahipala I
  - 2. Dharmapala
  - 3. Ramapala
  - 4. Govindapala

Q.18 Who wrote the Indian patriotic song, 'Sare Jahan se acchha, Hindustan hamara'?

- Ans
- 1. Mahatma Gandhi
  - 2. Ishwar Chandra Vidyasagar
  - 3. Rabindranath Tagore
  - 4. Mohammad Iqbal

Q.19 Which of the following Articles of the Constitution of India deal with citizenship?

- Ans
- 1. Article 5 – 11
  - 2. Article 12 – 18
  - 3. Article 10 – 17
  - 4. Article 8 – 15

Q.20 Who discovered the atomic number based on X-ray wavelength in 1913?

- Ans
- 1. RA Millikan
  - 2. Henry Moseley
  - 3. Dmitri Mendeleev
  - 4. AEB de Chancourtois

Q.21 In January 2023, Captain Shiva Chouhan was in the news for being the first women officer to be deployed at which battlefield?

- Ans
- 1. Kargil
  - 2. Leh
  - 3. Dras
  - 4. Siachen

Q.22 Symmetric encryption is also known as:

- Ans
- 1. public-key encryption
  - 2. hybrid encryption
  - 3. conventional encryption
  - 4. asymmetric encryption

**Q.23** Which of the following is NOT a domestic cricket tournament organised by the Board of Control for Cricket in India (BCCI) in India?

- Ans
- 1. Vizzy Trophy
  - 2. ZR Irani Cup
  - 3. Super Fours
  - 4. Ranji Trophy

**Q.24** Mendel proposed the law of independent assortment on the basis of \_\_\_\_\_.

- Ans
- 1. dihybrid crosses
  - 2. Monohybrid crosses
  - 3. genes
  - 4. alleles

**Q.25** April 2023, the Maharashtra government has approved how much percentage of reservation for Divyang employees in promotions?

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