

## Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	
Exam Date	03/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I

**Q.1** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.  
 Urgent activities are those things / that you must do immediately, / as they require quick action / and cannot be put on.

- Ans ☒ 1. as they require quick action  
☒ 2. and cannot be put on  
☒ 3. that you must do immediately  
☒ 4. Urgent activities are those things

**Q.2** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.  
 (1) When Christy (2) grew out, (3) he turned out (4) to be a gentleman.

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

**Q.3** The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.  
 The meeting / will taking / place next / Wednesday.

- Ans ☒ 1. place next  
☒ 2. will taking  
☒ 3. Wednesday.  
☒ 4. The meeting

**Q.4** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.  
 Rashmi was / quite amusing when / she heard about / what had happened.

- Ans ☒ 1. she heard about  
☒ 2. quite amusing when  
☒ 3. Rashmi was  
☒ 4. what had happened

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**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.

There is nothing more (1)\_\_\_\_\_ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)\_\_\_\_\_. However, there are certain techniques that you can use to (3)\_\_\_\_\_ your concentration. To begin with, one should (4)\_\_\_\_\_ to create the physical environment that is conducive to (5)\_\_\_\_\_ thought.

**SubQuestion No : 5**

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

- Ans ☒ 1. interesting  
☒ 2. exciting  
☒ 3. surprising  
☒ 4. frustrating

**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.

There is nothing more (1)\_\_\_\_\_ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)\_\_\_\_\_. However, there are certain techniques that you can use to (3)\_\_\_\_\_ your concentration. To begin with, one should (4)\_\_\_\_\_ to create the physical environment that is conducive to (5)\_\_\_\_\_ thought.

**SubQuestion No : 6**

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

- Ans ☒ 1. tiring  
☒ 2. interesting  
☒ 3. wandering  
☒ 4. worrying

**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.

There is nothing more (1)\_\_\_\_\_ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)\_\_\_\_\_. However, there are certain techniques that you can use to (3)\_\_\_\_\_ your concentration. To begin with, one should (4)\_\_\_\_\_ to create the physical environment that is conducive to (5)\_\_\_\_\_ thought.

**SubQuestion No : 7**

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

- Ans ☒ 1. convince  
☒ 2. discover  
☒ 3. enhance  
☒ 4. commit

**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.

There is nothing more (1)\_\_\_\_\_ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)\_\_\_\_\_. However, there are certain techniques that you can use to (3)\_\_\_\_\_ your concentration. To begin with, one should (4)\_\_\_\_\_ to create the physical environment that is conducive to (5)\_\_\_\_\_ thought.

**SubQuestion No : 8**

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

- Ans ☒ 1. attempt  
☒ 2. lead  
☒ 3. announce  
☒ 4. imagine

**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.

There is nothing more (1)\_\_\_\_\_ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)\_\_\_\_\_. However, there are certain techniques that you can use to (3)\_\_\_\_\_ your concentration. To begin with, one should (4)\_\_\_\_\_ to create the physical environment that is conducive to (5)\_\_\_\_\_ thought.

**SubQuestion No : 9**

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

- Ans ☒ 1. focussed  
☒ 2. dazzling  
☒ 3. cautious  
☒ 4. joyful

**Q.10** Select the INCORRECTLY spelt word.

- Ans ☒ 1. Schedule  
☒ 2. Miserable  
☒ 3. Reformation  
☒ 4. Literture

**Q.11** Select the most appropriate ANTONYM of the word 'Contaminate' from the given sentence.

She spent the entire night working non-stop to clean the blood stains from the rug.

- Ans ☒ 1. rug  
☒ 2. clean  
☒ 3. working  
☒ 4. spent

**Q.12** Select the option that can substitute the bracketed word segment meaningfully.  
 The city of Hyderabad is located (on the heart from Telangana).

- Ans ☒ 1. with the heart in Telangana  
☒ 2. in the heart with Telangana  
☒ 3. in the heart of Telangana  
☒ 4. of the heart in Telangana

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

There is no way I can swallow the ghastly medicine.

- Ans ☒ 1. agreeable  
☒ 2. horrible  
☒ 3. pleasant  
☒ 4. comforting

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

- Ans ☒ 1. Consequence  
☒ 2. Substantial  
☒ 3. Insignificance  
☒ 4. Meaningful

**Q.15** Select the most appropriate meaning of the given idiom.  
Have a bee in your bonnet

- Ans ☒ 1. Unable to stay at a place for long  
☒ 2. To keep worrying about yourself  
☒ 3. Be preoccupied or obsessed with something  
☒ 4. Having a cruel intention or grudge against someone

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

- Ans ☒ 1. Lax  
☒ 2. Late  
☒ 3. Scrupulous  
☒ 4. Speedy

**Q.17** Select the option that will improve the underlined part of the given sentence.

I was looking for a barren seat in the bus but could not find one.

- Ans ☒ 1. vacuous seat  
☒ 2. hollow seat  
☒ 3. deserted seat  
☒ 4. vacant seat

**Q.18** Select the most appropriate meaning of the given idiom.  
Stick to one's guns

- Ans ☒ 1. To become unfaithful to  
☒ 2. To become a rebel  
☒ 3. To shoot at  
☒ 4. To remain faithful to

**Q.19** Select the most appropriate option that can replace the bracketed word segment in the following sentence.

An (imperfect positioning) of the Sun, Earth and Moon results in the Moon passing through only part of Earth's umbra, resulting in a partial lunar eclipse.

- Ans ☒ 1. imperfect revolution  
☒ 2. imperfect allegiance  
☒ 3. imperfect alignment  
☒ 4. imperfect alliance

**Q.20** Select the INCORRECTLY spelt word.

- Ans ☒ 1. Immigrete  
☒ 2. Relevant  
☒ 3. Professional  
☒ 4. Combat

**Q.21** Select the most appropriate option that can substitute the underlined segment in the given sentence.

The new chief is gifted at the power of eloquence.

- Ans ☒ 1. gifted of  
☒ 2. gifted with  
☒ 3. gifted among  
☒ 4. gifted for

**Q.22** Select the most appropriate ANTONYM of the underlined word in the given sentence.  
 Anthony Trollope was an industrious and disciplined writer.

- Ans ☒ 1. Lazy  
☒ 2. Dizzy  
☒ 3. Skittish  
☒ 4. Exhausting

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

The recent cloudburst completely dismantled the village and its people.

- Ans ☒ 1. took up  
☒ 2. took apart  
☒ 3. took back  
☒ 4. took after

**Q.24** Select the most appropriate ANTONYM of the underlined word in the given sentence.  
 Please don't touch that, it's flammable .

- Ans ☒ 1. Fire-resistant  
☒ 2. Incendiary  
☒ 3. Nonexplosive  
☒ 4. Non-combustible

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

My sister's paintings were \_\_\_\_\_ at the national museum.

- Ans**
- ☒ 1. in display
  - ☒ 2. on display
  - ☐ 3. into display
  - ☐ 4. upon display

**Q.1** In a certain code language, 'COVER' is coded as '9 - 45 - 66 - 15 - 54' and 'BOAST' is coded as '6 - 45 - 3 - 57 - 60'. What is the code for 'APRON' in the given code language?

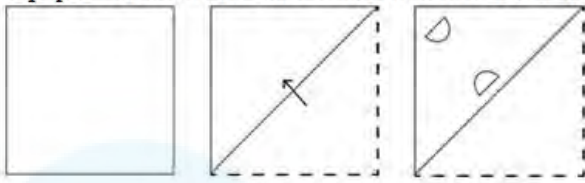
- Ans**
- ☒ 1. 3-48-54-45-42
  - ☐ 2. 4-47-53-42-40
  - ☐ 3. 2-46-52-40-41
  - ☐ 4. 2-46-52-44-40

**Q.2** What should come in place of the question mark (?) in the given series?

91, 100, 109, 118, 127, ?

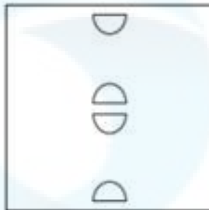
- Ans**
- ☒ 1. 136
  - ☐ 2. 135
  - ☐ 3. 137
  - ☐ 4. 138

**Q.3** A paper is folded and cut as shown below. How will it appear when unfolded?

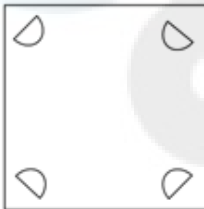


**Ans**

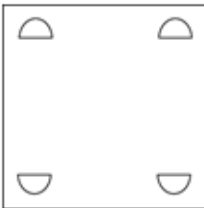
☒ 1.



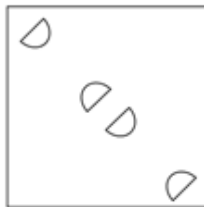
☒ 2.



☒ 3.



☒ 4.



**Q.4** In a certain code language,  
 'A @ B' means 'A is the husband of B',  
 'A # B' means 'A is the mother of B',  
 'A & B' means 'A is the sister of B'.  
 Based on the above, how is T related to P if 'P @ Q # R & S @ T'?

**Ans** ☒ 1. Son's wife

☒ 2. Daughter

☒ 3. Wife's sister

☒ 4. Sister

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

PHO SRP VBQ ? BVS

**Ans** ☒ 1. CFE

☒ 2. VXY

☒ 3. YLR

☒ 4. UMO



**Q.6** Select the combination of letters that when sequentially placed in the blanks of the given series will logically complete the series.

AB\_Z DEF\_ G\_IX JKL\_ M\_OV

Ans ☒ 1. CYHWN

☐ 2. CYGWN

☐ 3. YGHVN

☐ 4. CYHVN

**Q.7** 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/consonants/vowels in the word.)

Pleasure : Delight

Ans ☐ 1. Silly : Serious

☐ 2. Rain : Sky

☒ 3. Demolish : Destroy

☐ 4. Knowledge : Book

**Q.8** What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$198 \times 9 + 29 - 7 + 10 = ?$$

Ans ☐ 1. 60

☐ 2. 62

☐ 3. 61

☒ 4. 63

**Q.9** 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.)

(245, 49, 5)

(144, 9, 16)

Ans ☐ 1. (186, 21, 8)

☐ 2. (246, 9, 28)

☒ 3. (200, 8, 25)

☐ 4. (312, 24, 9)

**Q.10** Which of the following numbers will replace the question mark (?) in the given series?

7 28 84 336 1008 ?

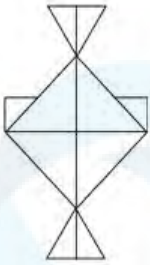
Ans ☒ 1. 4032

☐ 2. 3902

☐ 3. 3036

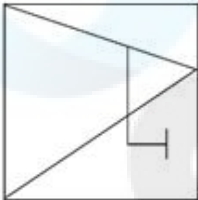
☐ 4. 4128

**Q.11** Select the option that is embedded in the given figure (rotation is NOT allowed).

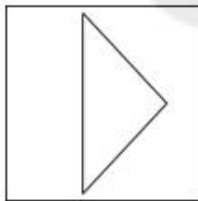


**Ans**

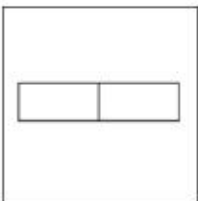
☒ 1.



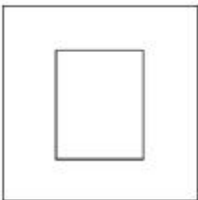
☒ 2.



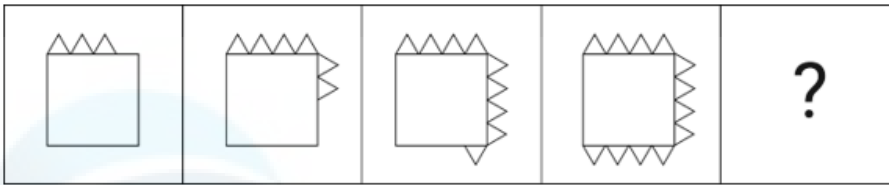
☒ 3.



☒ 4.

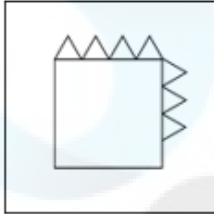


**Q.12** Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?

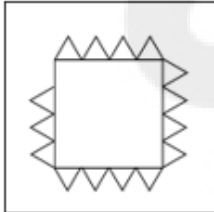


**Ans**

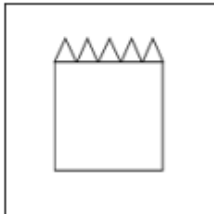
☒ 1.



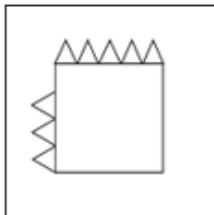
☒ 2.



☒ 3.



☒ 4.



**Q.13** 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)

Proud : Arrogant

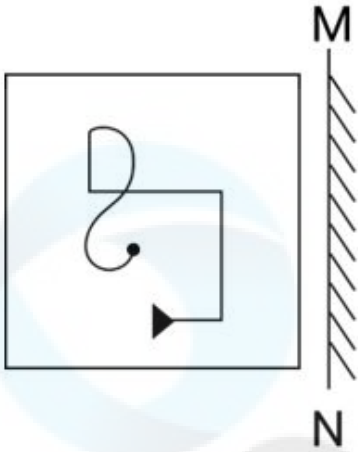
**Ans** ☒ 1. **Authentic : Genuine**

☒ 2. **Offend : Praise**

☒ 3. **Trust : Doubt**

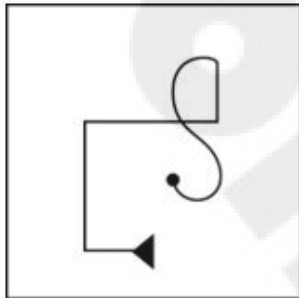
☒ 4. **Wise : Ignorant**

Q.14 Select the correct mirror image of the given figure when the mirror is placed at MN.

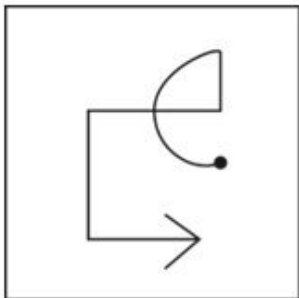


Ans

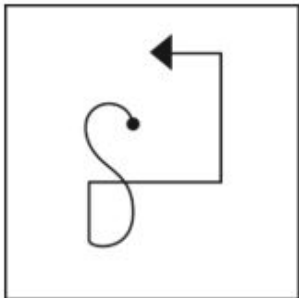
✓ 1.



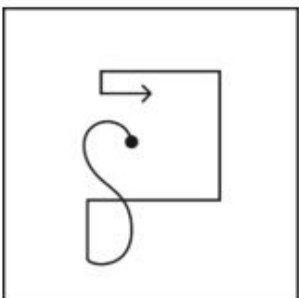
✗ 2.



✗ 3.



✗ 4.



Q.15 'D + E' means 'D is the father of E'  
 'D - E' means 'D is the sister of E'  
 'D × E' means 'D is the mother of E'  
 'D ÷ E' means 'D is the brother of E'.  
 Which of the following represents 'K is the brother's daughter of L'?

- Ans ☒ 1.  $U + F + K \div P$   
☒ 2.  $L \div Z \times X - K$   
☒ 3.  $K - L \times X \div U$   
☒ 4.  $L - F + K - P$

Q.16 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:

No pen is a scale.

All scales are erasers.

All pens are calculators.

Conclusions:

I. Some erasers are calculators.

II. No pen is an eraser.

III. No scale is a calculator.

- Ans ☒ 1. Neither conclusions I, II nor III follows.  
☒ 2. All conclusions I, II and III follow.  
☒ 3. Both conclusions I and II follow.  
☒ 4. Both conclusions II and III follow.

Q.17 In a certain code language, COMB is coded as 2681 and MOBE is coded as 8163. What is the code of E in that language?

- Ans ☒ 1. 6  
☒ 2. 3  
☒ 3. 1  
☒ 4. 8

Q.18 If 'Z' stands for '+', 'H' stands for '×', 'M' stands for '+' and 'T' stands for '−', what will come in place of the question mark (?) in the following equation?  
 52 M 36 Z 18 T 46 H 19 = ?

- Ans ☒ 1. -654  
☒ 2. -754  
☒ 3. -820  
☒ 4. -898

Q.19 The position of how many letters will remain unchanged if each of the letters in the word MENTOR is arranged in the alphabetical order?

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

**Q.20** If 17 August 2003 was a Sunday, then what was the day of the week on 12 September 2014?

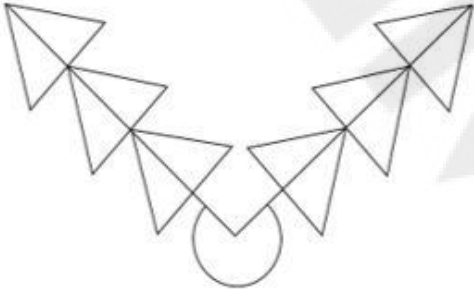
- Ans ☒ 1. Monday  
☒ 2. Wednesday  
☒ 3. Sunday  
☒ 4. Friday

**Q.21** 100 is related to 20 following a certain logic. Following the same logic, 250 is related to 50. To which of the following is 550 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. 105  
☒ 2. 115  
☒ 3. 110  
☒ 4. 100

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



- Ans ☒ 1. 18  
☒ 2. 15  
☒ 3. 16  
☒ 4. 20

**Q.23** If 'H' stands for '÷', 'A' stands for '+', 'B' stands for '-' and 'L' stands for '×', what will come in place of the question mark (?) in the following equation?  
 84 H 42 A 63 L 46 B 23 = ?

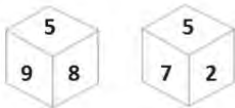
- Ans ☒ 1. 2482  
☒ 2. 2877  
☒ 3. 2864  
☒ 4. 4632

**Q.24** Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- ☒ 1. Wa3hrE
  - ☒ 2. E1436W
  - ☒ 3. E1436W
  - ☒ 4. hrEε6W

**Q.25** Six numbers 2, 3, 5, 7, 8 and 9 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 5?



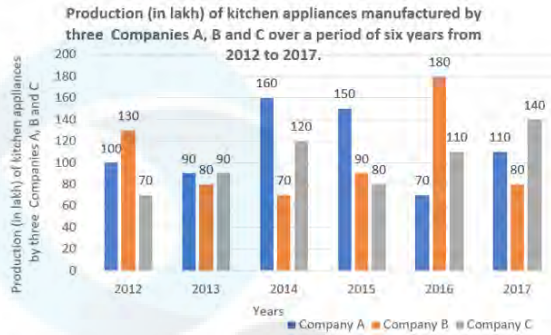
- Ans
- ☒ 1. 3
  - ☒ 2. 8
  - ☒ 3. 9
  - ☒ 4. 2

**Q.1** The curved surface area of a right circular cylinder of height 14 cm, is  $88 \text{ cm}^2$ . Find the total surface area of the cylinder.

- Ans
- ☒ 1.  $\frac{360}{7} \text{ cm}^2$
  - ☒ 2.  $\frac{660}{7} \text{ cm}^2$
  - ☒ 3.  $\frac{560}{7} \text{ cm}^2$
  - ☒ 4.  $\frac{460}{7} \text{ cm}^2$

**Q.2** Study the given bar-graph and answer the question that follows.

The bar-graph shows the production (in lakh) of kitchen appliances manufactured by three companies A, B, and C over a period of six years from 2012 to 2017.



What is the difference (in lakh) between the average production of company B during the period 2012 to 2017 and the combined average of the production of company A in 2012, 2014, 2015 and the production of company C in 2014, 2016 and 2017, respectively?

- Ans** ☒ 1. 30  
☒ 2. 25  
☒ 3. 40  
☒ 4. 50

**Q.3** A sells a bike to B at 45% profit. Then B sells it to C at 30% profit. If C pays ₹43,355, then what is the cost price of the bike for A?

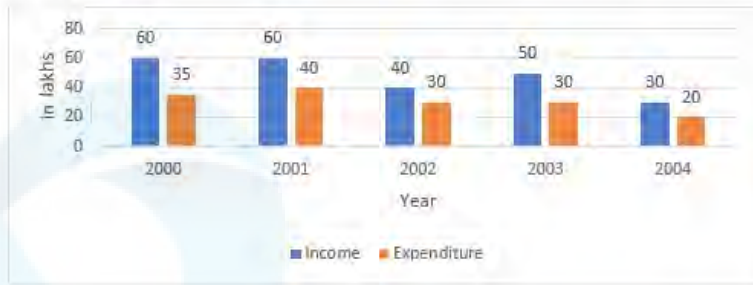
- Ans** ☒ 1. ₹21,000  
☒ 2. ₹23,000  
☒ 3. ₹27,000  
☒ 4. ₹29,000

**Q.4** Two circles touch each other externally at M. PQ is a direct common tangent to the two circles, P and Q are points of contact and  $\angle MPQ = 38^\circ$ .  $\angle MQP$  is:

- Ans** ☒ 1.  $38^\circ$   
☒ 2.  $42^\circ$   
☒ 3.  $52^\circ$   
☒ 4.  $48^\circ$



- Q.5** Study the following bar chart, which represents the income and expenditure of a company.



What is the difference of profit between the years 2001 and 2002?

- Ans** ☒ 1. 10 lakhs  
☒ 2. 5 lakhs  
☒ 3. 15 lakhs  
☒ 4. 2 lakhs

- Q.6** By selling an article at 66% of its marked price, a merchant makes a profit of 10%. If he sells the article at 80% of its marked price, then the profit percentage will be:

- Ans** ☒ 1.  $33\frac{1}{3}\%$   
☒ 2. 25 %  
☒ 3.  $33\frac{2}{3}\%$   
☒ 4. 20 %

- Q.7** Find the value of the following expression.

$$\sin(30 + \theta) - \cos(60 - \theta)$$

- Ans** ☒ 1.  $\frac{\sqrt{3}}{2}$   
☒ 2.  $2\sin(30 + \theta)$   
☒ 3. 1  
☒ 4. 0

- Q.8** The area of a rectangular field is  $3600 \text{ m}^2$ . If the field is 45 m long, what is its perimeter?

- Ans** ☒ 1. 255 m  
☒ 2. 260 m  
☒ 3. 250 m  
☒ 4. 265 m

**Q.9** In a right-angled triangle ABC such that  $\angle BAC = 90^\circ$  and AD is perpendicular to BC. If the area of  $\triangle ABC$  is  $63 \text{ cm}^2$ , area of  $\triangle ACD = 7 \text{ cm}^2$ , and  $AC = 5 \text{ cm}$ , then the length of BC is equal to:

- Ans**
- ☒ 1. 10 cm
  - ☒ 2. 18 cm
  - ☒ 3. 12 cm
  - ☒ 4. 15 cm

**Q.10** The value of  $(17 + 15) \div 2 - 11 + 16 \times 4 - 28 + 13(-16 + 13)$  is:

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

**Q.11** A, B, C are three points such that  $AB = 11 \text{ cm}$ ,  $BC = 13 \text{ cm}$  and  $AC = 24 \text{ cm}$ . Number of circles passing through the points A, B, C is:

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

**Q.12** A policeman starts chasing a thief who is 500 m ahead of him. The speed of the thief is 18 km/h, and the speed of the policeman is 36 km/h. Find the time taken by the policeman to catch the thief.

- Ans**
- ☒ 1. 150 sec
  - ☒ 2. 250 sec
  - ☒ 3. 300 sec
  - ☒ 4. 100 sec

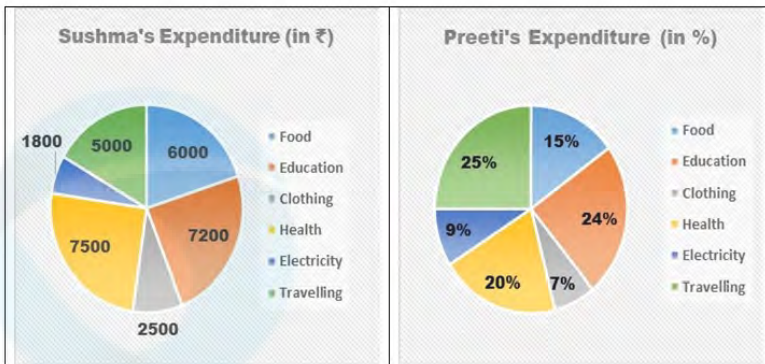
**Q.13** If the surface area of cuboid is  $108 \text{ m}^2$ , then find the height of the cuboid, whose length is 6 m and breadth is 3 m.

- Ans**
- ☒ 1. 5.5 m
  - ☒ 2. 5 m
  - ☒ 3. 4.5 m
  - ☒ 4. 4 m

**Q.14** 18 men can complete  $\frac{1}{5}$  of a work in 10 days. How many people are required to complete  $\frac{2}{5}$  of the same work in 5 days?

- Ans**
- ☒ 1. 72
  - ☒ 2. 90
  - ☒ 3. 36
  - ☒ 4. 54

- Q.15** Following Pie chart presents monthly expenditure by Sushma and Preeti in different heads. Sushma and Preeti make equal expenditure every month.



What is the ratio of central angles of expenditure on Education incurred by Sushma and Preeti?

- Ans**
- ☒ 1. 1:1
  - ☐ 2. 1:2
  - ☐ 3. 2:3
  - ☐ 4. 2:1

- Q.16** A circle of diameter 26 cm has two equal parallel chords of length 10 cm each, then the distance between the two chords is:

- Ans**
- ☐ 1. 21 cm
  - ☒ 2. 24 cm
  - ☐ 3. 26 cm
  - ☐ 4. 23 cm

- Q.17** The salaries of T in twelve months of a year are: ₹12,000, ₹12,000, ₹12,000, ₹15,000, ₹15,000, ₹15,000, ₹21,000, ₹21,000, ₹21,000, ₹30,000, ₹30,000, ₹30,000. The average salary of T per month in ₹ is \_\_\_\_\_.

- Ans**
- ☒ 1. 19500
  - ☐ 2. 18500
  - ☐ 3. 18000
  - ☐ 4. 19000

- Q.18** Ramana spends 75% of his income. His income is increased by 25% and he increases his expenditure by 10%. By what percentage are his savings increased?

- Ans**
- ☐ 1. 50%
  - ☐ 2. 60%
  - ☐ 3. 40%
  - ☒ 4. 70%

**Q.19** If  $a : b = 3 : 7$  and  $b : c = 4 : 9$ , then find  $a : b : c$ .

**Ans** ☒ 1. 12 : 28 : 63

☐ 2. 3 : 28 : 63

☐ 3. 12 : 28 : 9

☐ 4. 3 : 28 : 9

**Q.20** Find the remainder when  $179 \times 172 \times 173$  is divided by 17.

**Ans** ☐ 1. 2

☐ 2. 9

☒ 3. 3

☐ 4. 6

**Q.21** A person wants to buy 10 chairs. The total cost of 10 chairs is ₹4,500. After bargaining, the shopkeeper agrees to decrease the cost of each chair by 20%. Then, the person purchased 10% more chairs. What will be the cost of the chairs that he purchased?

**Ans** ☒ 1. ₹3,960

☐ 2. ₹3,260

☐ 3. ₹3,900

☐ 4. ₹4,100

**Q.22** A man invested a sum of ₹5,000 on simple interest for 5 years such that the rate of interest for the first 2 years is 10% per annum, for the next 3 years it is 12% per annum. How much interest (in ₹), will he earn at the end of 5 years?

**Ans** ☐ 1. 3180

☐ 2. 3000

☐ 3. 2450

☒ 4. 2800

**Q.23** A fraction  $\frac{3}{5}$  is decreased by  $\frac{2}{5}$ . The resulting fraction is then increased by 20%. What is the percentage decrease/increase in the value of the original fraction?

**Ans** ☐ 1. Increase, 60%

☐ 2. Increase, 50%

☒ 3. Decrease, 60%

☐ 4. Decrease, 50%

**Q.24** What is the area of the region created by the two linear equations  $2x + y = 6$  and  $2x - y = -2$  bounded by these lines and the x-axis?

**Ans** ☒ 1. 8 sq. units

☐ 2. 5 sq. units

☐ 3. 3 sq. units

☐ 4. 6 sq. units

**Q.25** The following table shows admitted students in an institute during the academic years 2015 to 2020 in different courses.

Academic year	Engineering	Science	Arts	Management
2015	1200	850	450	240
2016	1362	821	525	275
2017	1351	870	624	286
2018	1409	921	615	293
2019	1421	931	795	300
2020	1400	950	750	320

Which course had the highest growth rate (in percentage) during the period from 2015 to 2020?

- Ans
- ☐ 1. Management
  - ☐ 2. Science
  - ☐ 3. Engineering
  - ☒ 4. Arts

**Q.1** In field hockey, in a penalty stroke, an attacker shoots at goal from \_\_\_\_\_ yards away in a one-on-one confrontation with the goalkeeper.

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

**Q.2** The number of Indian athletes who participated in the Tokyo Paralympics 2020 was \_\_\_\_\_.

- Ans
- ☐ 1. 57
  - ☐ 2. 56
  - ☒ 3. 54
  - ☐ 4. 55

**Q.3** According to Census of India 2011, what was the sex ratio recorded in the Union Territory of Puducherry?

- Ans
- ☐ 1. 890 females/1000 males
  - ☐ 2. 980 females/1000 males
  - ☒ 3. 1037 females/1000 males
  - ☐ 4. 1095 females/1000 males

**Q.4** In which year was the first underground section (Vishwavidyalaya- Kashmere Gate) of the Golden Route opened in New Delhi?

- Ans
- ☒ 1. 2004
  - ☐ 2. 2000
  - ☐ 3. 1998
  - ☐ 4. 1997

**Q.5** Guru Vempati Chinna Satyam is a famous dancer of \_\_\_\_\_ dance form of India.

- Ans ☒ 1. Bharatanatyam  
☒ 2. Kuchipudi  
☒ 3. Manipuri  
☒ 4. Odissi

**Q.6** The Ultimate Kho-Kho League was started in which year?

- Ans ☒ 1. 2021  
☒ 2. 2022  
☒ 3. 2023  
☒ 4. 2020

**Q.7** In MS-Word, a number printed above the base line is called \_\_\_\_\_.

- Ans ☒ 1. superscript  
☒ 2. strikethrough  
☒ 3. subscript  
☒ 4. above BL

**Q.8** Who among the following launched the digital platform 'FASTER'?

- Ans ☒ 1. Finance Minister  
☒ 2. President  
☒ 3. Chief Justice of India  
☒ 4. Prime Minister

**Q.9** The Green Revolution was due to the introduction of:

- Ans ☒ 1. fisheries  
☒ 2. irrigation  
☒ 3. high yielding varieties of seeds  
☒ 4. fertilisers

**Q.10** Which Article of the Constitution mentions that "the Parliament consists of the President and two Houses known as the Council of States (Rajya Sabha) and the House of the People (Lok Sabha)"?

- Ans ☒ 1. 79  
☒ 2. 82  
☒ 3. 73  
☒ 4. 70

**Q.11** Which of the following statement(s) is/are INCORRECT vis-à-vis features of the Indian Constitution?

- 1) Though India has a federal system, the Constitution does not mention the word 'federation'.
- 2) Article 5 of the Constitution says that the Parliament by law can create a new state.
- 3) On the subjects in the Union list, each State Legislature can enact laws for the State.
- 4) Both the Parliament and State Legislature can pass laws on subjects in concurrent list.

Ans ☒ 1. 1 and 4

☒ 2. 2 and 3

☒ 3. Only 1

☒ 4. 1 and 3

**Q.12** Under which Gharana do the composition of blend of Khayal and Dhrupad-Dhamar styles come?

Ans ☒ 1. Indore Gharana

☒ 2. Patiala Gharana

☒ 3. Agra Gharana

☒ 4. Gwalior Gharana

**Q.13** Kiran Nadar was conferred with the highest civilian award of which country in April 2023?

Ans ☒ 1. Egypt

☒ 2. France

☒ 3. Poland

☒ 4. Germany

**Q.14** Indian Constitution came into force on \_\_\_\_\_ and is celebrated as Republic Day.

Ans ☒ 1. 26 Jan 1950

☒ 2. 26 Jan 1951

☒ 3. 26 Feb 1950

☒ 4. 26 Jan 1948

**Q.15** The colour of the surface of Mars is red because of the presence of large amounts of chemical compounds in it. What is the name of that compound?

Ans ☒ 1. Magnesium oxide

☒ 2. Tin oxide

☒ 3. Iron oxide

☒ 4. Nitrogen oxide

**Q.16** How many censuses had been completed in India as of year 2011?

Ans ☒ 1. 15

☒ 2. 7

☒ 3. 12

☒ 4. 16

**Q.17** The famous book 'Sangraha Choodamani', which deals with the current system of Carnatic music was written by:

- Ans ☒ 1. Damodara Misra  
☒ 2. Haripala  
☒ 3. Matanga  
☒ 4. Govindacharya

**Q.18** Name the digital payment platform launched in 2021 by the National Payments Corporation of India (NPCI) in association with Department of Financial Services (DFS), National Health Authority (NHA) and Ministry of Health and Family Welfare (MoHFW).

- Ans ☒ 1. YONO  
☒ 2. Dhani  
☒ 3. MobiKwik  
☒ 4. e-RUPI

**Q.19** Which Pala ruler temporarily occupied Kanauj?

- Ans ☒ 1. Dharmapala  
☒ 2. Gopala  
☒ 3. Harapala  
☒ 4. Devapala

**Q.20** We can add a table in an MS Word document from which of the following tabs?

- Ans ☒ 1. Home Tab  
☒ 2. Design Tab  
☒ 3. Insert Tab  
☒ 4. View Tab

**Q.21** What do you mean by semiconservative DNA replication?

- Ans ☒ 1. DNA is dependent on RNA for the synthesis of proteins  
☒ 2. RNA is dependent on DNA for the synthesis of proteins  
☒ 3. After the completion of replication, each DNA molecule would have one parental and one newly synthesised strand.  
☒ 4. After the completion of replication, each DNA molecule would have two parental and two newly synthesised strand.

**Q.22** What was the name of Swami Vivekanand's guru?

- Ans ☒ 1. Swami Ram Singh  
☒ 2. Aadi Shankaracharya  
☒ 3. Swami Dayanand  
☒ 4. Ramakrishna Paramhansa

**Q.23** Who was appointed as the Chief Economic Advisor to the Government of India in the year 2022?

- Ans ☒ 1. Krishnamurthy Subramanian  
☒ 2. S Somanath  
☒ 3. V Anantha Nageswaran  
☒ 4. R Rangarajan



**Q.24 Which of the following statements best describes the Hardy Schulze rule?**

- Ans** ☒ 1. The amount of electrolyte required for the coagulation of a definite amount of a colloidal solution is dependent on the valency of the coagulating ion.
- ☐ 2. This is applied to obtain a colloidal solution of metals such as gold, silver or platinum.
- ☐ 3. The ions are removed from the solution by the phenomenon of diffusion through a permeable membrane.
- ☐ 4. The partial pressure of a component in a liquid mixture is proportional to its mole fraction in that mixture.

**Q.25 Which river is known as the sorrow of Bihar?**

- Ans** ☐ 1. Mahi
- ☒ 2. Kosi
- ☐ 3. Son
- ☐ 4. Betwa