

## Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	
Exam Date	03/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

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

I had seen / her with her mother / in the cinema hall / yesterday.

- Ans
- ☒ 1. her with her mother
  - ☒ 2. yesterday
  - ☒ 3. in the cinema hall
  - ☒ 4. I had seen

**Q.2** Select the option to replace the incorrect word in the following sentence.  
Chotu is a bright young child, who yearn to go to school but works in his uncle's dhaba.

- Ans
- ☒ 1. yearned
  - ☒ 2. working
  - ☒ 3. worked
  - ☒ 4. yearns

**Q.3** Select the most appropriate option to fill in the blank.  
He \_\_\_\_\_ a long distance

- Ans
- ☒ 1. running
  - ☒ 2. run
  - ☒ 3. ran
  - ☒ 4. runned

**Q.4** The following sentence has been divided into three segments. One of them may contain an adverbial usage error. Select the option that has the segment with the error.  
If you don't find any error, select 'No error' as your answer.

Mr. Narayanan / is a rather / lazy man.

- Ans
- ☒ 1. No error
  - ☒ 2. Mr. Narayanan
  - ☒ 3. is a rather
  - ☒ 4. lazy man.

**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.

Trees are (1) \_\_\_\_\_ best gift of nature for us. They make the environment beautiful and clean. Water and sunlight are very important to helping trees grow. Human beings get food from trees. Trees also give us wood and shade. Houses, chairs, and toys (2) \_\_\_\_\_ from wood we receive from trees. Trees can be called the best friends of mankind. Many animals get their food from leaves, vegetables, and fruits grown (3) \_\_\_\_\_ trees. They also live in the shadows of trees. We (4) \_\_\_\_\_ cutting trees to save nature. Children and adults need to plant more trees and teach each other to stop causing harm to (5) \_\_\_\_\_. One tree can save many lives.

**SubQuestion No : 5**

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

- Ans ☒ 1. an  
☒ 2. a  
☒ 3. No article  
☒ 4. the

**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.

Trees are (1) \_\_\_\_\_ best gift of nature for us. They make the environment beautiful and clean. Water and sunlight are very important to helping trees grow. Human beings get food from trees. Trees also give us wood and shade. Houses, chairs, and toys (2) \_\_\_\_\_ from wood we receive from trees. Trees can be called the best friends of mankind. Many animals get their food from leaves, vegetables, and fruits grown (3) \_\_\_\_\_ trees. They also live in the shadows of trees. We (4) \_\_\_\_\_ cutting trees to save nature. Children and adults need to plant more trees and teach each other to stop causing harm to (5) \_\_\_\_\_. One tree can save many lives.

**SubQuestion No : 6**

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

- Ans ☒ 1. will made  
☒ 2. had make  
☒ 3. was make  
☒ 4. are made

**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.

Trees are (1) \_\_\_\_\_ best gift of nature for us. They make the environment beautiful and clean. Water and sunlight are very important to helping trees grow. Human beings get food from trees. Trees also give us wood and shade. Houses, chairs, and toys (2) \_\_\_\_\_ from wood we receive from trees. Trees can be called the best friends of mankind. Many animals get their food from leaves, vegetables, and fruits grown (3) \_\_\_\_\_ trees. They also live in the shadows of trees. We (4) \_\_\_\_\_ cutting trees to save nature. Children and adults need to plant more trees and teach each other to stop causing harm to (5) \_\_\_\_\_. One tree can save many lives.

**SubQuestion No : 7**

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

- Ans ☒ 1. of  
☒ 2. for  
☒ 3. on  
☒ 4. out

**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.

Trees are (1) \_\_\_\_\_ best gift of nature for us. They make the environment beautiful and clean. Water and sunlight are very important to helping trees grow. Human beings get food from trees. Trees also give us wood and shade. Houses, chairs, and toys (2) \_\_\_\_\_ from wood we receive from trees. Trees can be called the best friends of mankind. Many animals get their food from leaves, vegetables, and fruits grown (3) \_\_\_\_\_ trees. They also live in the shadows of trees. We (4) \_\_\_\_\_ cutting trees to save nature. Children and adults need to plant more trees and teach each other to stop causing harm to (5) \_\_\_\_\_. One tree can save many lives.

**SubQuestion No : 8**

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

- Ans ☒ 1. may stopped  
☒ 2. have stop  
☒ 3. should stop  
☒ 4. can stopped

**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.

Trees are (1) \_\_\_\_\_ best gift of nature for us. They make the environment beautiful and clean. Water and sunlight are very important to helping trees grow. Human beings get food from trees. Trees also give us wood and shade. Houses, chairs, and toys (2) \_\_\_\_\_ from wood we receive from trees. Trees can be called the best friends of mankind. Many animals get their food from leaves, vegetables, and fruits grown (3) \_\_\_\_\_ trees. They also live in the shadows of trees. We (4) \_\_\_\_\_ cutting trees to save nature. Children and adults need to plant more trees and teach each other to stop causing harm to (5) \_\_\_\_\_. One tree can save many lives.

**SubQuestion No : 9**

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

- Ans ☒ 1. nurture  
☒ 2. natural  
☒ 3. nurturing  
☒ 4. nature

**Q.10** Select the most appropriate **ANTONYM** of the given word.  
**Cheerful**

- Ans ☒ 1. Hilarious  
☒ 2. Gloomy  
☒ 3. Sunny  
☒ 4. Joyful

**Q.11** Select the option that can substitute the bracketed word segment meaningfully.  
 If you behave well and exhibit good manners, then (people will be likely to remember you) in a positive way.

- Ans ☒ 1. people are likely to remember you  
☒ 2. people are like remember you  
☒ 3. people likely you remember  
☒ 4. people will like in remember

**Q.12** Select the most appropriate idiom that can substitute the underlined word segment in the given sentence.  
Delivering that furniture to the tenth floor without the lift and an incline is incredibly foolish and next to impossible .

- Ans ☒ 1. like a tree known by its fruits  
☒ 2. as tight as the bark of the tree  
☒ 3. like nailing jelly to the tree  
☒ 4. like going between the bark and the tree

**Q.13** Select the most appropriate idiom to fill in the blank.

This gun should be handled with care and \_\_\_\_\_.

- Ans ☒ 1. mince the matters  
☒ 2. kept at arm's length  
☒ 3. shot for safety  
☒ 4. nip in the bud

**Q.14** Select the most appropriate option that can substitute the underlined segment in the given sentence.  
It was her who first saw the criminal.

- Ans ☒ 1. she  
☒ 2. hers  
☒ 3. him  
☒ 4. them

**Q.15** Select the most appropriate ANTONYM of the underlined word in the sentence.  
He tried to improve the working conditions in his office.

- Ans ☒ 1. Spoil  
☒ 2. Spatter  
☒ 3. Specify  
☒ 4. Sprinkle

**Q.16** Select the most appropriate option to fill in the blank.

The movie 'Desperate Ghosts' was watched by my younger brother and he was \_\_\_\_\_ horror.

- Ans ☒ 1. filled on  
☒ 2. filled off  
☒ 3. filled with  
☒ 4. filled of

**Q.17** Select the INCORRECTLY spelt word.

- Ans ☒ 1. Fulfil  
☒ 2. Acknowledgment  
☒ 3. Apparent  
☒ 4. Conscientious

**Q.18** Read the sentence carefully and select the most appropriate option to substitute the underlined part.

The sudden declaration of war between two countries led to a disarray.

- Ans ☒ 1. refined argument  
☒ 2. peaceful treaty  
☒ 3. disorderly situation  
☒ 4. elusive situation

**Q.19** Read the sentence carefully and select the most appropriate option to substitute the underlined part.

Greta Thunberg's tirade against environmental degeneration shocked the world leaders.

- Ans ☒ 1. minute observation  
☒ 2. innate liberal opinion  
☒ 3. long and angry speech  
☒ 4. debatable account

**Q.20** Select the most appropriate synonym of the given word.

Chaste

- Ans ☒ 1. Corrupt  
☒ 2. Sullied  
☒ 3. Pure  
☒ 4. Flashy

**Q.21** Select the most appropriate synonym of the word 'echoed' to fill in the blank.  
 The thunderous applause \_\_\_\_\_ through the stadium.

- Ans ☒ 1. recoiled  
☒ 2. pulsed  
☒ 3. bounced  
☒ 4. reverberated

**Q.22** Select the most appropriate synonym of the underlined word in the given sentence.

Can I please request you all to stand up?

- Ans ☒ 1. plead  
☒ 2. petition  
☒ 3. claim  
☒ 4. require

**Q.23** The following sentence has been split into four segments. Identify the segment that contains a spelling error.  
 In all instances of frustrasion, / you will always find / the anger directed towards / a single person only.

- Ans ☒ 1. a single person only  
☒ 2. the anger directed towards  
☒ 3. you will always find  
☒ 4. In all instances of frustrasion

**Q.24** Select the most appropriate **ANTONYM** of the underlined word in the given sentence.  
This makes readers contemplate the motives people have for performing acts of charity.

- Ans**
- ☒ 1. deviate
  - ☒ 2. understate
  - ☒ 3. follow up
  - ☒ 4. overlook

**Q.25** Select the most appropriate to fill in the blank.  
The boxer was knocked out cold by a powerful \_\_\_\_\_ punch to the jaw.

- Ans**
- ☒ 1. write
  - ☒ 2. right
  - ☒ 3. wright
  - ☒ 4. rite

**Q.1** 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:

Some carrots are onions.

All onions are potatoes.

All potatoes are radish.

Conclusions:

I. Some carrots are radish.

II. All onions are radish.

III. No carrot is a potato.

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

**Q.2** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BOJ, FQO, JST, NUY, ?

- Ans**
- ☒ 1. RVB
  - ☒ 2. QVC
  - ☒ 3. RWD
  - ☒ 4. QWD

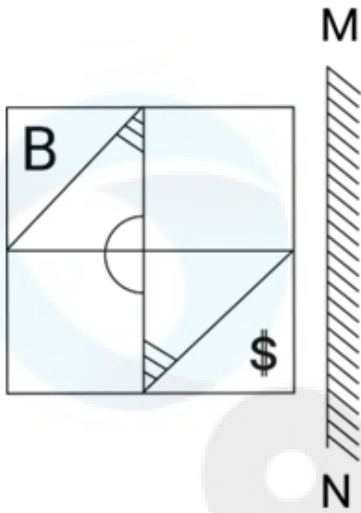
Q.3 In a certain language,  
A & B means A is the wife of B,  
A ÷ B means A is the mother of B,  
A × B means A is the son of B,  
A + B means A is the sister of B and  
A @ B means A is the father of B.  
If A @ B & C @ D + K ÷ F, how is C related to K?

- Ans
- ☒ 1. Father
  - ☐ 2. Sister
  - ☐ 3. Mother
  - ☐ 4. Brother

Q.4 If 19 July 2000 is Wednesday, then what will be the day of the week on 17 March 2015?

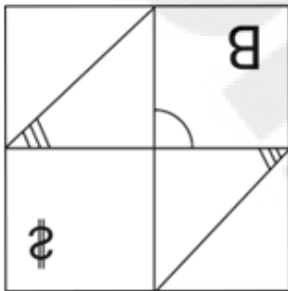
- Ans
- ☐ 1. Wednesday
  - ☐ 2. Sunday
  - ☐ 3. Friday
  - ☒ 4. Tuesday

Q.5 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

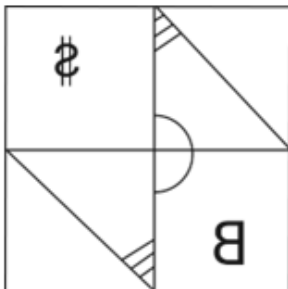


Ans

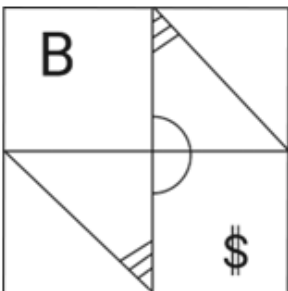
☒ 1.



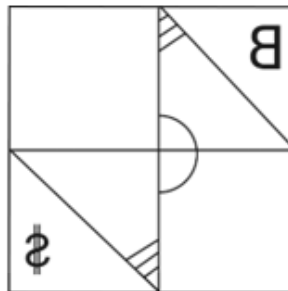
☒ 2.



☒ 3.



☒ 4.





Q.6 What should come in place of X in the given series?

3 9 21 41 71 X

Ans ☐ 1. 110

☒ 2. 113

☐ 3. 120

☐ 4. 117

Q.7 In a certain code language, 'BABE' is coded as '20' and 'EACH' is coded as '34'. What is the code for 'FACT' in the given code language?

Ans ☒ 1. 60

☐ 2. 62

☐ 3. 64

☐ 4. 63

Q.8 If 10 October 2003 was a Friday, then what was the day of the week on 8 October 2015?

Ans ☐ 1. Friday

☒ 2. Thursday

☐ 3. Tuesday

☐ 4. Monday

Q.9 If 'R' stands for '+', 'K' stands for '×', 'G' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?  
32 G 15 R 15D 17 K 18 = ?

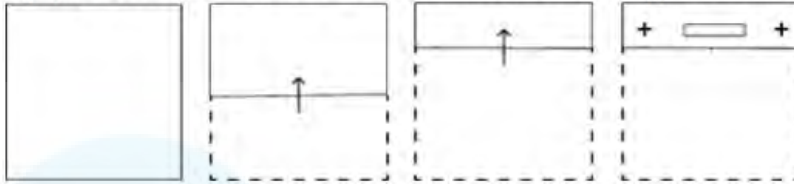
Ans ☐ 1. −879

☒ 2. −273

☐ 3. −456

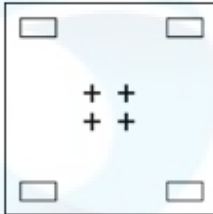
☐ 4. −235

**Q.10** A paper is folded and cut as shown below. How will it appear when unfolded?

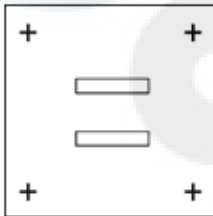


**Ans**

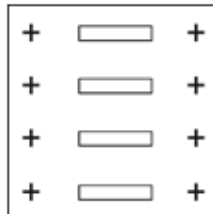
☒ 1.



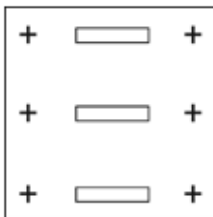
☒ 2.



☒ 3.



☒ 4.



**Q.11** Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

E	☆	2	E	
N	2	☆	T	
☆	2	T	N	☆
T	N	E	T	N
E	E	T	N	☆
2	☆	N	2	
				?

Ans

☒ 1.

T		
	2	
☆	N	E

☒ 2.

E		
	N	
☆	2	T

☒ 3.

T		
	E	
2	N	☆

☒ 4.

N		
	☆	
2	T	E

**Q.12** 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.)

(4, 16, 32)

(7, 49, 98)

Ans ☒ 1. (12, 144, 278)

☒ 2. (12, 134, 288)

☒ 3. (14, 144, 288)

☒ 4. (12, 144, 288)

**Q.13** Which of the following numbers will replace the question mark (?) in the given series?

244 232.1 220.2 208.3 196.4 ?

Ans ☒ 1. 184.5

☒ 2. 172.5

☒ 3. 180.5

☒ 4. 176.5

**Q.14** ADFI is related to CFHK in a certain way based on the English alphabetical order. In the same way, EHJM is related to GJLO. To which of the following is ILNQ related to, following the same logic?

- Ans**
- ☒ 1. KNQT
  - ☒ 2. KMPS
  - ☒ 3. KNQS
  - ☒ 4. KNPS

**Q.15** This question consists of a pair of words which have a certain relationship to each other. Select the pair which does NOT have the same relationship.

Allure : Repulse

- 1) Creation : Destruction
- 2) Fluctuate : Stabilize
- 3) Immense : Huge
- 4) Notion : Reality

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

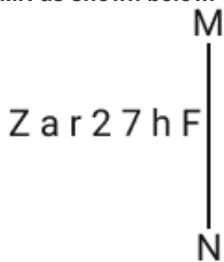
**Q.16** What should come in place of the question mark (?) in the given series based on the English alphabetical order?  
WYS, BDX, GIC, LNH, ?

- Ans**
- ☒ 1. QSM
  - ☒ 2. SMQ
  - ☒ 3. PSM
  - ☒ 4. QMS

**Q.17** What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?  
 $105 \div 2 + 4 - 120 \times 6 = ?$

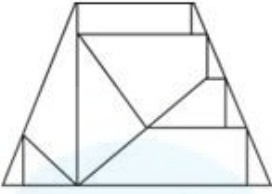
- Ans**
- ☒ 1. 226
  - ☒ 2. 266
  - ☒ 3. 216
  - ☒ 4. 126

**Q.18** Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans**
- ☒ 1. Fh72rZ
  - ☒ 2. Fh27rZ
  - ☒ 3. Fh72rZ
  - ☒ 4. Fh27rZ

Q.19 How many triangles are there in the given figure?



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

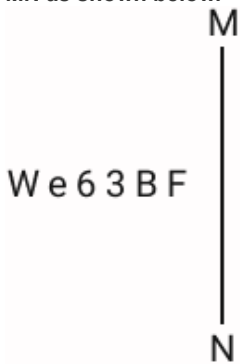
Q.20 In a certain code language, 'RISK' is coded as '3921' and 'KIRT' is coded as '1693'. How is 'S' coded in the given language?

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

Q.21 'P + F' means 'P is the son of F'  
 'P - F' means 'P is the wife of F'  
 'P × F' means 'P is the brother of F'  
 'P ÷ F' means 'P is the mother of F'  
 'P = F' means 'P is the sister of F'.  
 What does 'K = R ÷ M' mean?

- Ans
- ☒ 1. K is the daughter of M
  - ☒ 2. K is the aunt (mother's sister) of M
  - ☒ 3. K is the niece of M
  - ☒ 4. K is the sister of M

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



- Ans
- ☒ 1. BF 3 6 e W
  - ☒ 2. F B 3 B F
  - ☒ 3. F B 3 B F
  - ☒ 4. We 6 3 B F

**Q.23** Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).



Ans

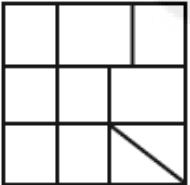
✓ 1.



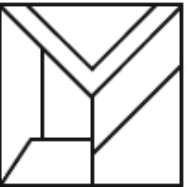
✗ 2.



✗ 3.



✗ 4.



**Q.24** What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$59 + 39 - 63 \times 21 \div 26 = ?$$

Ans ✓ 1. 98

✗ 2. 96

✗ 3. 90

✗ 4. 93

**Q.25** 129 is related to 387 following a certain logic. Following the same logic, 164 is related to 492. To which of the following is 148 related, following the same logic?

Ans ✓ 1. 444

✗ 2. 352

✗ 3. 468

✗ 4. 362

**Q.1** In an election between two candidates, one got 60% of the total valid votes and 15% of the votes were invalid. If the total number of votes were 8400, the number of valid votes that the other candidate got were:

Ans ☒ 1. 3213

☒ 2. 2856

☒ 3. 3117

☒ 4. 2998

**Q.2** What is the discount that Rohan should offer on the remaining ₹8,000 of a laptop priced at ₹48,000, given that, he has already given a 12% discount on the first ₹28,000 and 8% discount on the next ₹12,000 to match the discount amount of 9.5% given on the total price?

Ans ☒ 1. ₹402

☒ 2. ₹204

☒ 3. ₹420

☒ 4. ₹240

**Q.3** Four cubes each of volume 216 cubic cm are joined end to end to form a new solid. The surface area of the new solid is:

Ans ☒ 1. 648 sq cm

☒ 2. 672 sq cm

☒ 3. 1296 sq cm

☒ 4. 324 sq cm

**Q.4** Ram and Shyam start walking from the same place in the opposite direction. If Shyam walks at a speed of  $5\frac{1}{4}$  km/hr and Ram at a speed of 3 km/hr, then after how much time will they be 44 km apart?

Ans ☒ 1. 6 hours 20 minutes

☒ 2. 4 hours 20 minutes

☒ 3. 3 hours 20 minutes

☒ 4. 5 hours 20 minutes

**Q.5** When  $x$  is added to each of the numbers 7, 11, 18 and 23, then the number so obtained are in proportion. What is the mean proportional between the  $(x - 1)$  and  $(2x - 10)$ ?

Ans ☒ 1. 78

☒ 2. 98

☒ 3. 48

☒ 4. 68

**Q.6** There are 160 multiple choice questions in a test. 4 marks are allotted for a correct answer and 1 mark is deducted for a wrong answer or un-attempted question from the total score of correct answers. If a candidate scored 400 marks in the test, how many questions did he answer correctly?

Ans ☒ 1. 110

☒ 2. 112

☒ 3. 115

☒ 4. 120

Q.7 लोहे की एक बेलनाकार छड़ जिसकी ऊँचाई इसकी िा से बारह गुना है, को पिघलाकर गोलाकार गदों में ढाला जाता है, जिनमें से एक की िा, बेलन की िा की एक तिहाई है। गोलाकार गदों की संा ित कीजिए।

Ans ☒ 1. 243

☒ 2. 198

☒ 3. 224

☒ 4. 212

Q.8 Two circles with centre O and A touch each other externally. The radius of the first circle with centre O is 6 cm. The radius of the second circle with centre A is 3 cm. Find the length of their common tangent CB (in centimetres).

Ans ☒ 1.  $6\sqrt{2}$

☒ 2.  $3\sqrt{2}$

☒ 3.  $4\sqrt{3}$

☒ 4.  $4\sqrt{2}$

Q.9 Riya and Sangeeta can finish a work in 6 days and 8 days, respectively. Riya started the work alone and then after 3 days, Sangeeta joined Riya. They both finish the remaining work. How long did the total work last?

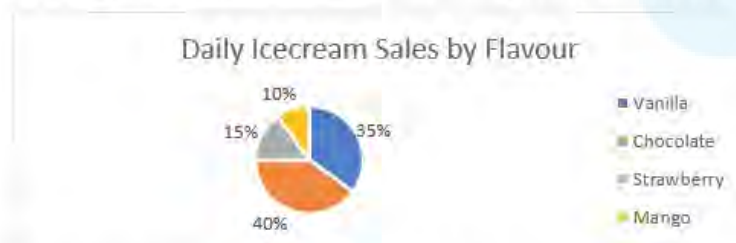
Ans ☒ 1.  $4\frac{4}{7}$  days

☒ 2.  $4\frac{3}{7}$  days

☒ 3.  $4\frac{2}{7}$  days

☒ 4.  $4\frac{5}{7}$  days

Q.10 Read the given information and answer the question that follows.



If 400 chocolate ice creams are sold in a day, how many vanilla ice creams are sold?

Ans ☒ 1. 350

☒ 2. 100

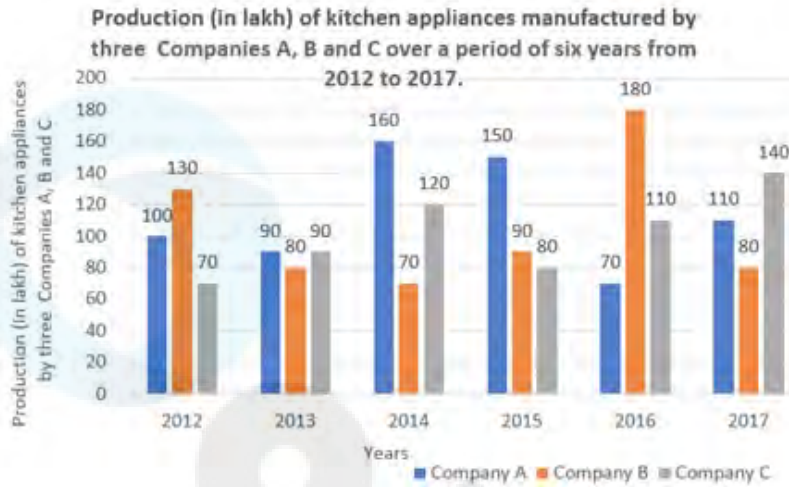
☒ 3. 400

☒ 4. 300



Q.11 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.



In which year was the percentage of rise / fall in production from the previous year the maximum for company C?

- Ans
- ☒ 1. 2015
  - ☒ 2. 2017
  - ☒ 3. 2013
  - ☒ 4. 2016

Q.12 If the perimeters of two similar triangles are in the ratio of 4 : 7, and the sum of the areas is  $195 \text{ cm}^2$ , then what is  $\frac{1}{3}$  of the difference between the areas (in  $\text{cm}^2$ ) of the two triangles?

- Ans
- ☒ 1. 99
  - ☒ 2. 33
  - ☒ 3. 63
  - ☒ 4. 54

Q.13 The simple interest on a sum for 8 years is  $\frac{4}{5}$  of the sum. The rate of interest per annum is:

- Ans
- ☒ 1. 15%
  - ☒ 2. 5%
  - ☒ 3. 20%
  - ☒ 4. 10%

Q.14 Simplify the following expression.

$$2\frac{1}{4} \times 3\frac{1}{5} + 5\frac{1}{6} \text{ of } 2\frac{4}{31} \div 3\frac{2}{3} + 4\frac{1}{7} \text{ of } 1\frac{6}{29}.$$

- Ans
- ☒ 1.  $13\frac{1}{5}$
  - ☒ 2.  $15\frac{1}{5}$
  - ☒ 3.  $14\frac{1}{5}$
  - ☒ 4.  $16\frac{1}{5}$

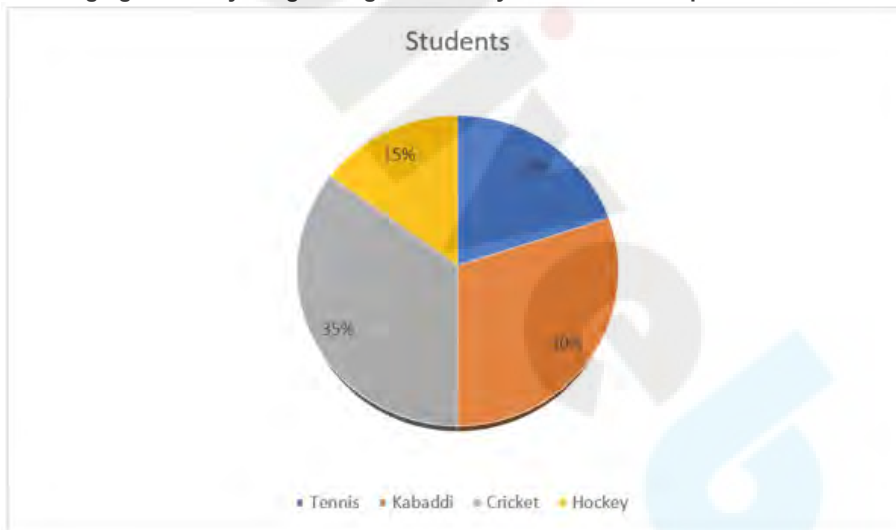
**Q.15** Two parallel chords of length 8 units each are 6 units away from each other in a circle. What is the radius of the circle in units?

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

**Q.16** A seller decreased the selling price of each item from ₹5,000 to ₹4,680, by which his loss percentage increased by 4%. If he has to get 4% profit, then the selling price of the item should be:

- Ans
- ☒ 1. ₹8,840
  - ☒ 2. ₹8,320
  - ☒ 3. ₹7,800
  - ☒ 4. ₹7,280

**Q.17** The distribution of total 1500 students in a school for different games is shown in the following figure. Study the given figure carefully and answer the question that follows.



Find the total number of students selected for cricket and tennis.

- Ans
- ☒ 1. 825
  - ☒ 2. 625
  - ☒ 3. 525
  - ☒ 4. 415

**Q.18** If  $\alpha + \beta = 45^\circ$  and  $(\tan \alpha + 1)(\tan \beta + 1) = 2x$ , then  $x$  is:

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

**Q.19**  $\triangle ABC \sim \triangle EDF$  and area  $(\triangle ABC) : \text{area}(\triangle EDF) = 9 : 4$ . If  $AB = 5$  cm,  $BC = 8$  cm and  $CA = 10$  cm, then  $DF$  is equal to:

- Ans
- ☒ 1.  $5\frac{1}{3}$  cm
  - ☐ 2.  $3\frac{2}{3}$  cm
  - ☐ 3.  $3\frac{1}{4}$  cm
  - ☐ 4.  $4\frac{2}{3}$  cm

**Q.20** If the area of a triangle whose base measures 6cm is  $18\text{cm}^2$ , then its height is:

- Ans
- ☒ 1. 6 cm
  - ☐ 2. 3.1 cm
  - ☐ 3. 9 cm
  - ☐ 4. 2.2 cm

**Q.21** Rakesh is the owner of a rectangular field. Because of the construction of an expressway near his field, the length and breadth of his field are reduced by 30% and 10%, respectively. What is the percentage decrease in the area of his field?

- Ans
- ☐ 1. 33%
  - ☐ 2. 40%
  - ☐ 3. 35%
  - ☒ 4. 37%

**Q.22** A class of 25 students took an English test. 15 students had an average score of 80. The other students had an average score of 60. What is the average score of the whole class?

- Ans
- ☐ 1. 80
  - ☒ 2. 72
  - ☐ 3. 76
  - ☐ 4. 74

**Q.23** In an engineering college, there are four branches namely Computer Science (CS), Electronics (EC), Civil (CE), and Mechanical (ME). The respective ratio of the number of students in these branches is 11 : 5 : 6 : 7. What is the percentage of students belonging to CS and ME branches in the college (correct up to two decimal places)?

- Ans
- ☐ 1. 62.37%
  - ☒ 2. 62.07%
  - ☐ 3. 61.37%
  - ☐ 4. 61.07%

**Q.24** When the integer  $n$  is divided by 18, the quotient is  $x$  and the remainder is 6, When the integer  $n$  is divided by 25, the quotient is  $y$  and the remainder is 15. Which of the following is true?

- Ans
- ☒ 1.  $18x - 25y = 9$
  - ☐ 2.  $18x + 25y = 9$
  - ☐ 3.  $25y - 18x = 9$
  - ☐ 4.  $25y + 18x = 9$

**Q.25** Study the given graph and answer the question that follows.

The graph shows the exports from three companies (A, B and C) over the years (in ₹ crore).



In which year was the difference between the exports from companies A and B the minimum?

- Ans**
- ☒ 1. 1994
  - ☒ 2. 1998
  - ☒ 3. 1995
  - ☒ 4. 1997

**Q.1** The Palas were:

- Ans**
- ☒ 1. a dynasty that united eastern India and Burma
  - ☒ 2. a dynasty that first appeared in Cambodia
  - ☒ 3. a dynasty that appeared in Puri
  - ☒ 4. a dynasty that appeared in eastern India

**Q.2** Norman Ernest Borlaug was awarded the \_\_\_\_\_ in 1970 for his contributions to the green revolution.

- Ans**
- ☒ 1. Nobel Prize in Physics
  - ☒ 2. Nobel Peace Prize
  - ☒ 3. Nobel Prize in Chemistry
  - ☒ 4. Nobel Prize in Physiology

**Q.3** What is the name of the festival that ends the Holy Ramzan month?

- Ans**
- ☒ 1. Muharram
  - ☒ 2. Eid- Ul- Zuha
  - ☒ 3. Eid- Ul- Fitr
  - ☒ 4. Bakrid

**Q.4** The establishment of Union Public Service Commission, State Public Service Commissions and Joint Public Service Commission falls under which of the following features of the Constitution of India?

- Ans**
- ☒ 1. Parliamentary Government
  - ☒ 2. Federalism
  - ☒ 3. Fundamental Rights
  - ☒ 4. Directive Principles of State Policy

**Q.5 Who among the following cabinet ministers was appointed as the Governor of Karnataka in July 2021?**

- Ans** ☒ 1. Thawarchand Gehlot  
☒ 2. Hari Babu Kambhampati  
☒ 3. Arjun Munda  
☒ 4. Rajendra Vishwanath

**Q.6 Who was the first Indian woman wrestler to win a medal at the Olympics?**

- Ans** ☒ 1. Babita Phogat  
☒ 2. Sakshi Malik  
☒ 3. Alka Tomar  
☒ 4. Geeta Phogat

**Q.7 Which of the following sequences is correct, according to taxonomy?**

- Ans** ☒ 1. Phylum-Class-Order-Family-Genus-Species  
☒ 2. Class-Phylum-Family-Order Genus-Species  
☒ 3. Family-Phylum-Class-Order-Genus-Species  
☒ 4. Class-Phylum-Order-Family-Genus-Species

**Q.8 The moderate margin of a page in MS Word can be applied to the page from which of the following?**

- Ans** ☒ 1. View Tab  
☒ 2. Page Layout Tab  
☒ 3. Review tab  
☒ 4. Design Tab

**Q.9 The largest inland salt lake 'Sambhar' is located in the \_\_\_\_\_ of India.**

- Ans** ☒ 1. north-east  
☒ 2. north-west  
☒ 3. south-west  
☒ 4. south-east

**Q.10 Chhannulal Mishra is related to which Musical Lineage?**

- Ans** ☒ 1. Delhi Musical Family  
☒ 2. Jaipur Musical Family  
☒ 3. Kirana Musical Family  
☒ 4. Agara Musical Family

**Q.11 Who wrote the book 'Gulamgiri'?**

- Ans** ☒ 1. Swami Shraddhanand  
☒ 2. Dwarkanath Tagore  
☒ 3. BR Ambedkar  
☒ 4. Jyotiba Phule

**Q.12 According to Ministry of Agriculture and Farmers Welfare, what was the total food grain production of India in the year 2022-23?**

- Ans ☐ 1. 2266.23 lakh tonnes  
☐ 2. 2876.17 lakh tonnes  
☐ 3. 2491.58 lakh tonnes  
☒ 4. 3296.87 lakh tonnes

**Q.13 According to Global Multidimensional poverty index (2022), On the basis of four indicators- nutrition, cooking fuel, sanitation and housing, how much poor people live in India?**

- Ans ☐ 1. 24.4 million  
☐ 2. 54.4 million  
☒ 3. 34.4 million  
☐ 4. 44.4 million

**Q.14 Which Articles of the Constitution deal with citizenship?**

- Ans ☒ 1. Articles 5 to 11  
☐ 2. Articles 5 to 8  
☐ 3. Articles 5 to 10  
☐ 4. Articles 5 to 9

**Q.15 'Chang dance' is popular in the state of:**

- Ans ☐ 1. Goa  
☐ 2. Bihar  
☒ 3. Rajasthan  
☐ 4. Tripura

**Q.16 According to the Census of India 2011, which of the following states is the most urbanised?**

- Ans ☐ 1. Kerala  
☒ 2. Goa  
☐ 3. Himachal Pradesh  
☐ 4. Punjab

**Q.17 In India, the musical instrument "Flute" is also known as \_\_\_\_\_.**

- Ans ☐ 1. Tabla  
☐ 2. Manjira  
☒ 3. Bansuri  
☐ 4. Veena

**Q.18 Who among the following discovered that a wire carrying electric current can attract or repel another wire next to it that's also carrying electric current?**

- Ans ☐ 1. James Maxwell  
☐ 2. Michael Faraday  
☐ 3. Guglielmo Marconi  
☒ 4. Andre-Marie Ampere

**Q.19** On 7 November 2022, the Supreme Court of India upheld the reservations for the weaker sections (EWS). Which of the following amendments brought this reservation in the first place?

- Ans
- ☐ 1. 101<sup>st</sup> Amendment of the Constitution
  - ☐ 2. 102<sup>nd</sup> Amendment of the Constitution
  - ☒ 3. 103<sup>rd</sup> Amendment of the Constitution
  - ☐ 4. 104<sup>th</sup> Amendment of the Constitution

**Q.20** Which country hosted the first FIFA World Cup?

- Ans
- ☐ 1. Brazil
  - ☐ 2. France
  - ☒ 3. Uruguay
  - ☐ 4. Italy

**Q.21** In Microsoft Excel, which chart type is best suited for comparing proportions or percentages of a whole?

- Ans
- ☐ 1. Line Chart
  - ☐ 2. Bar Chart
  - ☐ 3. Scatter Chart
  - ☒ 4. Pie Chart

**Q.22** In cost theory, the usual shape of the \_\_\_\_\_ curve is a rectangular hyperbola.

- Ans
- ☐ 1. total cost
  - ☐ 2. fixed cost
  - ☐ 3. variable cost
  - ☒ 4. average fixed cost

**Q.23** Dinesh K Tripathi was appointed as \_\_\_\_\_ in January, 2024

- Ans
- ☒ 1. Vice Chief of Naval Staff
  - ☐ 2. Chief of Naval Staff
  - ☐ 3. Rear Admiral
  - ☐ 4. Chief of Personnel

**Q.24** Which dwarf planet orbits the sun in 310 years at a distance between 38.5 to 53 AU?

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

**Q.25** Which of the following teams won the IPL 2023 championship?

- Ans
- ☒ 1. Chennai Super Kings
  - ☐ 2. Gujarat Titans
  - ☐ 3. Mumbai Indians
  - ☐ 4. Lucknow SuperGiants