

## Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	
Exam Date	02/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I

**Q.1** The given sentence is divided into three segments. Select the option that has the segment with a grammatical error. If there is no error, select 'No error'.  
The meeting was called off / due to a medical emergency of / the manager of the company.

- Ans**
- ☒ 1. the manager of the company.
  - ☒ 2. The meeting was called off
  - ☒ 3. due to a medical emergency of
  - ☒ 4. No error

**Q.2** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.  
I noticed that they / did not went to / the museum but entered / a shopping complex.

- Ans**
- ☒ 1. the museum but entered
  - ☒ 2. did not went to
  - ☒ 3. I noticed that they
  - ☒ 4. a shopping complex.

**Q.3** Select the option that corrects the following sentence.  
He has broken his leg yesterday.

- Ans**
- ☒ 1. He had broke his leg yesterday.
  - ☒ 2. He have broken his leg yesterday.
  - ☒ 3. He has broke his leg yesterday.
  - ☒ 4. He broke his leg yesterday.

**Q.4** The following sentence has been split into segments. Identify the segment that contains a grammatical error. If you don't find any error, mark 'No error' as your answer.  
I goes to / attend dance classes at / the National Dance Academy.

- Ans**
- ☒ 1. attend dance classes at
  - ☒ 2. I goes to
  - ☒ 3. the National Dance Academy.
  - ☒ 4. No error

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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.

If we look at the global population, out of every six persons living in this world, one is an Indian and (1)\_\_\_\_\_ a Chinese. The population of Pakistan is very (2)\_\_\_\_\_ and accounts for roughly about one-tenth of China or India. Though China is the largest nation and geographically (3)\_\_\_\_\_ the largest area among the three nations, its density is the lowest. Scholars point out the one child (4)\_\_\_\_\_ in China in the late 1970s as the major reason for low population growth. They also state that this measure led to a (5)\_\_\_\_\_ in the sex ratio, the proportion of females per 1000 males.

### SubQuestion No : 5

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

- Ans ☒ 1. either  
☒ 2. many  
☒ 3. another  
☒ 4. second

## Comprehension:

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

If we look at the global population, out of every six persons living in this world, one is an Indian and (1)\_\_\_\_\_ a Chinese. The population of Pakistan is very (2)\_\_\_\_\_ and accounts for roughly about one-tenth of China or India. Though China is the largest nation and geographically (3)\_\_\_\_\_ the largest area among the three nations, its density is the lowest. Scholars point out the one child (4)\_\_\_\_\_ in China in the late 1970s as the major reason for low population growth. They also state that this measure led to a (5)\_\_\_\_\_ in the sex ratio, the proportion of females per 1000 males.

### SubQuestion No : 6

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

- Ans ☒ 1. obscure  
☒ 2. small  
☒ 3. a little  
☒ 4. much

## Comprehension:

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

If we look at the global population, out of every six persons living in this world, one is an Indian and (1)\_\_\_\_\_ a Chinese. The population of Pakistan is very (2)\_\_\_\_\_ and accounts for roughly about one-tenth of China or India. Though China is the largest nation and geographically (3)\_\_\_\_\_ the largest area among the three nations, its density is the lowest. Scholars point out the one child (4)\_\_\_\_\_ in China in the late 1970s as the major reason for low population growth. They also state that this measure led to a (5)\_\_\_\_\_ in the sex ratio, the proportion of females per 1000 males.

### SubQuestion No : 7

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

- Ans ☒ 1. rents  
☒ 2. occupies  
☒ 3. lodges  
☒ 4. grasps

## Comprehension:

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

If we look at the global population, out of every six persons living in this world, one is an Indian and (1)\_\_\_\_\_ a Chinese. The population of Pakistan is very (2)\_\_\_\_\_ and accounts for roughly about one-tenth of China or India. Though China is the largest nation and geographically (3)\_\_\_\_\_ the largest area among the three nations, its density is the lowest. Scholars point out the one child (4)\_\_\_\_\_ in China in the late 1970s as the major reason for low population growth. They also state that this measure led to a (5)\_\_\_\_\_ in the sex ratio, the proportion of females per 1000 males.

### SubQuestion No : 8

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

- Ans ☒ 1. average  
☒ 2. statute  
☒ 3. ordeal  
☒ 4. standard

## Comprehension:

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

If we look at the global population, out of every six persons living in this world, one is an Indian and (1)\_\_\_\_\_ a Chinese. The population of Pakistan is very (2)\_\_\_\_\_ and accounts for roughly about one-tenth of China or India. Though China is the largest nation and geographically (3)\_\_\_\_\_ the largest area among the three nations, its density is the lowest. Scholars point out the one child (4)\_\_\_\_\_ in China in the late 1970s as the major reason for low population growth. They also state that this measure led to a (5)\_\_\_\_\_ in the sex ratio, the proportion of females per 1000 males.

### SubQuestion No : 9

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

- Ans ☒ 1. diminish  
☒ 2. decline  
☒ 3. suspension  
☒ 4. failure

**Q.10** Identify the most appropriate synonym of the following word.  
Implicate

- Ans ☒ 1. Accuse  
☒ 2. Interrogate  
☒ 3. Complain  
☒ 4. Confuse

**Q.11** Select the most appropriate homonym to fill in the blank.

\_\_\_\_\_ is a red-coloured root vegetable.

- Ans ☒ 1. Beat  
☒ 2. Beet  
☒ 3. Bit  
☒ 4. Bead

Q.12 Select the most appropriate option that can substitute the underlined words in the following sentence.

I hope you have enjoying yourselves at the party tonight!

- Ans ☒ 1. enjoy yourselves  
☒ 2. will be enjoy himself  
☒ 3. enjoys yourselves  
☒ 4. are enjoying themselves

Q.13 Select the most appropriate spelling of the underlined word in the given sentence.  
The prison is euphemistically called a 'rehabilitation centre'.

- Ans ☒ 1. rehabilation  
☒ 2. rehabilitation  
☒ 3. rehbilitation  
☒ 4. rehabilitation

Q.14 Select the most appropriate ANTONYM of the given word.

Lethargic

- Ans ☒ 1. Intelligent  
☒ 2. Active  
☒ 3. Cute  
☒ 4. Exhausted

Q.15 Select the most appropriate meaning of the given idiom.  
Slip your mind

- Ans ☒ 1. Immediately think of something  
☒ 2. Forget about something  
☒ 3. Can't think of anything to say  
☒ 4. Think about something for a short time

Q.16 Select the most appropriate ANTONYM of the word given in brackets to fill in the blank.  
The firefighter summoned all her \_\_\_\_\_ (cowardice) and rushed into the burning building.

- Ans ☒ 1. skills  
☒ 2. expertise  
☒ 3. courage  
☒ 4. erudition

Q.17 Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank.  
The city's infrastructure was ill-equipped to handle the influx of \_\_\_\_\_ (visitors) during the peak season.

- Ans ☒ 1. natives  
☒ 2. tourists  
☒ 3. residents  
☒ 4. citizens

**Q.18** Select the most appropriate option to fill in the blank.  
Both the criminals were cruel and \_\_\_\_\_.

- Ans ☒ 1. brutal  
☐ 2. diligent  
☐ 3. warm  
☐ 4. sympathetic

**Q.19** Select the most appropriate option that can substitute the underlined segment in the given sentence.

Their was a large snake found in the garden last evening.

- Ans ☒ 1. There was a large snake  
☐ 2. There was not a large snake  
☐ 3. There was the larger snake  
☐ 4. Their was the larger snake

**Q.20** Select the most appropriate option to fill in the blank.

I was in the \_\_\_\_\_ of a meeting when somebody called me.

- Ans ☐ 1. round  
☒ 2. middle  
☐ 3. corner  
☐ 4. centre

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

Please take many as you want.

- Ans ☐ 1. so much  
☒ 2. as much  
☐ 3. much of  
☐ 4. too much

**Q.22** Select the most appropriate option that can substitute the underlined segment in the following sentence.

Rimjhim received a children's very illustrated colourful atlas on her 10th birthday.

- Ans ☐ 1. an very illustrated colourful children's atlas  
☒ 2. a very colourful illustrated children's atlas  
☐ 3. a very illustrated colourful atlas children  
☐ 4. a colourful very illustrated children's atlas

**Q.23** Select the most appropriate meaning of the given idiom.  
Lose heart

- Ans ☐ 1. To believe in your success  
☐ 2. To be suspicious of your success  
☒ 3. To stop believing that you can succeed  
☐ 4. To get success by believing in yourself

**Q.24** Identify the incorrectly spelt word and select its correct spelling.  
Wether we want to admit it or not, we all wish everyone would like us.

Ans ☒ 1. whether

☒ 2. addmit

☒ 3. whither

☒ 4. admitt

**Q.25** Select the most appropriate synonym of the given word.  
Pliable

Ans ☒ 1. Rigid

☒ 2. Probable

☒ 3. Malleable

☒ 4. Severe

**Q.1** If 'E' stands for '×', 'O' stands for '+', 'U' stands for '-' and 'V' stands for '÷', what will come in place of the question mark (?) in the following equation?  
12 V 2 O 36 E 48 U 53 = ?

Ans ☒ 1. 1681

☒ 2. 6234

☒ 3. 3142

☒ 4. 1650

**Q.2** 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. RVZ

☒ 2. LPT

☒ 3. GJN

☒ 4. BFJ

**Q.3** What will come in the place of '?' in the following equation if '+' and '-' are interchanged and '×' and '÷' are interchanged?  
 $21 + 23 - 46 \times 23 \div 21 = ?$

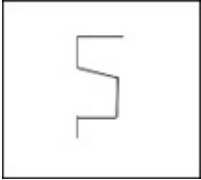
Ans ☒ 1. 65

☒ 2. 40

☒ 3. 78

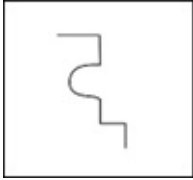
☒ 4. 90

Q.4 Select the option in which the given figure is embedded (rotation is not allowed).

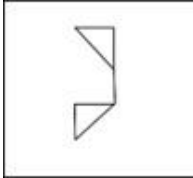


Ans

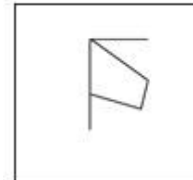
☒ 1.



☒ 2.



☒ 3.



☒ 4.



Q.5 99 is related to 77.3 following a certain logic. Following the same logic, 84.4 is related to 62.7. To which of the following is 72.6 related, following the same logic?

Ans ☒ 1. 57.3

☒ 2. 50.9

☒ 3. 52.7

☒ 4. 54.2

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

67 100 146 179 225 258 ?

Ans ☒ 1. 304

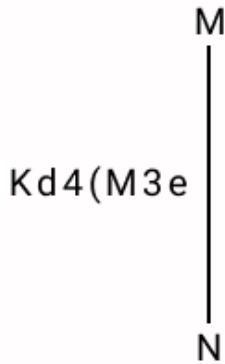
☒ 2. 292

☒ 3. 318

☒ 4. 325

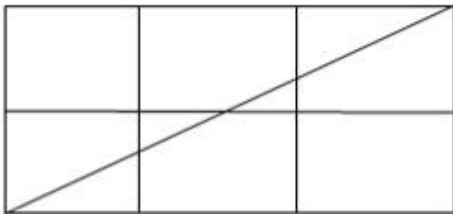


Q.7 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- ☒ 1.  $Kd4(M3e$
  - ☒ 2.  $Kq4(M3e$
  - ☒ 3.  $Kd4(M3e$
  - ☒ 4.  $Kq4(M3e$

Q.8 How many triangles are there in the following figure?

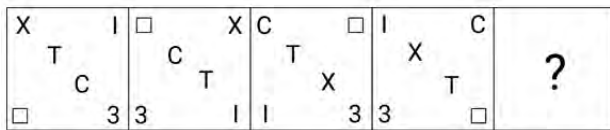


- Ans
- ☒ 1. 6
  - ☒ 2. 5
  - ☒ 3. 7
  - ☒ 4. 8

Q.9 Which of the following letter-clusters can replace the question mark (?) in the given series to make it logically complete?  
PQR, RTV, TWZ, VZD, ?

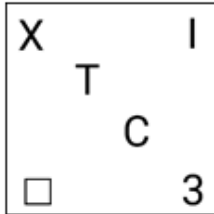
- Ans
- ☒ 1. YCZ
  - ☒ 2. OPS
  - ☒ 3. WXT
  - ☒ 4. XCH

**Q.10** Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

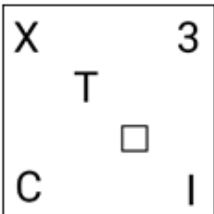


Ans

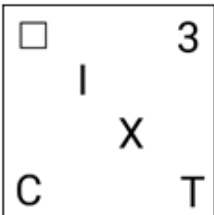
✓ 1.



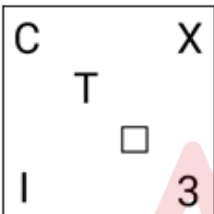
✗ 2.



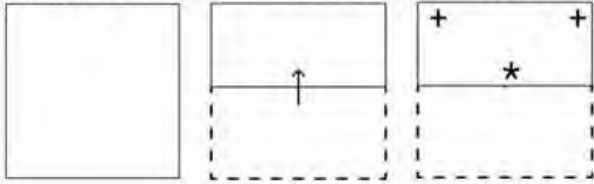
✗ 3.



✗ 4.



Q.11 A paper is folded and cut as shown below. How will it appear when unfolded?

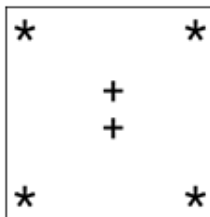


Ans

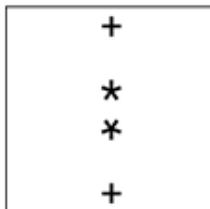
☒ 1.



☒ 2.



☒ 3.



☒ 4.



Q.12 If the seventh day of a month is three days earlier than Friday, then what day will it be on the 20th day of the month?

Ans ☒ 1. Wednesday

☒ 2. Monday

☒ 3. Tuesday

☒ 4. Thursday

Q.13 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '÷' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?

44 B 5 C 68 D 144 A 4 = ?

Ans ☒ 1. 250

☒ 2. 252

☒ 3. 254

☒ 4. 256

**Q.14** What should come in place of the question mark (?) in the given series based on the English alphabetical order?  
YAU, DFZ, IKE, NPJ, ?

- Ans
- ☐ 1. RUS
  - ☐ 2. SOU
  - ☐ 3. SRU
  - ☒ 4. SUO

**Q.15** Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(5, 7, 74)  
(6, 4, 52)

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

- Ans
- ☐ 1. (6, 2, 52)
  - ☒ 2. (11, 5, 146)
  - ☐ 3. (9, 5, 206)
  - ☐ 4. (9, 5, 405)

**Q.16** Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All shirts are pants.

Some dresses are pants.

Some pants are ties.

Conclusion (I): Some dresses are ties.

Conclusion (II): Some ties are shirts.

- Ans
- ☐ 1. Both conclusions (I) and (II) follow.
  - ☐ 2. Only conclusion (II) follows.
  - ☐ 3. Only conclusion (I) follows.
  - ☒ 4. Neither conclusion (I) nor (II) follows.

**Q.17** In a certain code language,  
'M & N' means 'M is the wife of N',  
'M @ N' means 'M is the brother of N',  
'M \$ N' means 'M is the father of N',  
'M # N' means 'M is the sister of N'.  
Based on this, how is D related to H, if 'D & E \$ F # G @ H'?

- Ans
- ☐ 1. Sister
  - ☐ 2. Father's mother
  - ☐ 3. Father's sister
  - ☒ 4. Mother

**Q.18** 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.)

Problem : Solution

- Ans** ☒ 1. Lost : Found  
☐ 2. Time : Money  
☐ 3. Talk : Speak  
☐ 4. Success : Fame

**Q.19** In a certain code language, 'love to god' is coded as 'xr od yk' and 'god bless you' is coded as 'tc ap od'. How is 'god' coded in the given language?

- Ans** ☐ 1. tc  
☐ 2. ap  
☒ 3. od  
☐ 4. yk

**Q.20** HF 16 is related to KI 8 in a certain way. In the same way, RP 10 is related to US 5. To which of the following is NL 6 related, following the same logic?

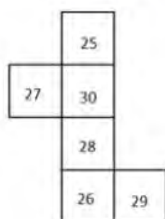
- Ans** ☐ 1. LJ 3  
☐ 2. QS 2  
☐ 3. OQ 2  
☒ 4. QO 3

**Q.21** What should come in place of the question mark (?) in the given series?

3977, 3877, 3777, 3677, 3577, ?

- Ans** ☒ 1. 3477  
☐ 2. 3277  
☐ 3. 3333  
☐ 4. 3377

**Q.22** What would be the number on the opposite side of '30' if the given sheet is folded to form a cube?



- Ans** ☐ 1. 27  
☐ 2. 29  
☐ 3. 28  
☒ 4. 26

**Q.23** उस शब्द-युग्म का चयन कीजिए जो नीचे दिए गए शब्दों के युग्म में व्यक्त किए गए समान संबंध का सबसे अच्छा निरूपण करता है।

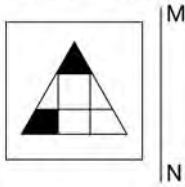
(शब्दों को अर्थपूर्ण हिंदी शब्दों के रूप में माना जाना चाहिए और उन्हें शब्द में अक्षरों की संख्या/व्यंजन/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं किया जाना चाहिए।)

ईमानदार : भ्रष्ट

Ans

- ☒ 1. अपर्याप्त : दुर्लभ
- ☒ 2. मजबूत : नाजुक
- ☒ 3. निरीक्षण : देखना
- ☒ 4. प्रशंसा : सम्मान

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



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

**Q.25** In a certain code language, 'no way out' is written as 'rp ab lm' and 'out of house' is written as 'mr rp bd'. How is 'out' written in the given language?

Ans

- ☒ 1. ab
- ☒ 2. mr
- ☒ 3. rp
- ☒ 4. lm

Q.1 The simple interest on a sum of money for  $1\frac{1}{2}$  years at 10% per annum is ₹30 more than the simple interest on the same sum for 1 year at 12% per annum. Find the sum.

- Ans
- ☐ 1. ₹1,050
  - ☐ 2. ₹1,250
  - ☒ 3. ₹1,000
  - ☐ 4. ₹1,200

Q.2 The average monthly expenditure of a family was ₹2,500 during the first 4 months, ₹2,750 during the next 5 months and ₹3,550 during the last 3 months of a year. If the total saving during the year was ₹5,500, what was the average monthly income of the family?

- Ans
- ☐ 1. ₹5,790
  - ☐ 2. ₹7,355
  - ☐ 3. ₹4,375
  - ☒ 4. ₹3,325

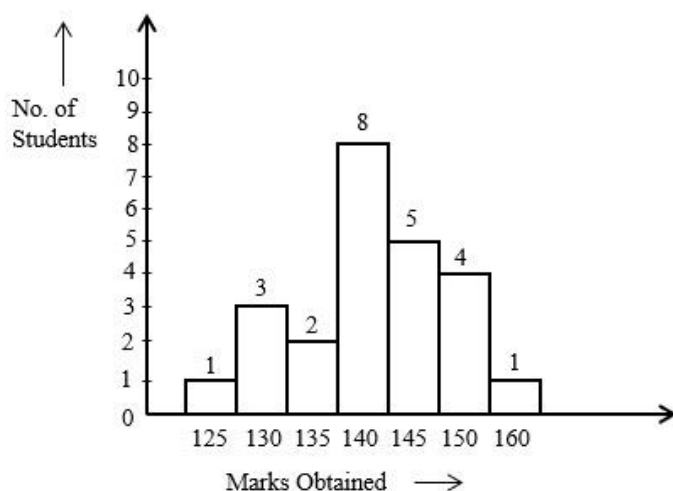
Q.3 When a number is increased by 8, it becomes 120% of itself. The number is:

- Ans
- ☐ 1. 50
  - ☐ 2. 30
  - ☐ 3. 60
  - ☒ 4. 40

Q.4 The volume of a cube is reduced to 72.9%. By how much is the side of the cube reduced?

- Ans
- ☐ 1. 9.5%
  - ☒ 2. 10%
  - ☐ 3. 9%
  - ☐ 4. 8.5%

Q.5 Study the given bar-graph and answer the question that follows.



How many students obtained less than the average marks of the class?

- Ans
- ☒ 1. 11
  - ☒ 2. 6
  - ☒ 3. 14
  - ☒ 4. 10

Q.6 Simplify the following expression.

$$(3 - 3 \times 3 + 3 \div 3 + 3 \times 5) \times 2 \text{ of } 5 + (2 + 2 \div 2 + 2 \times 2 - 2)$$

- Ans
- ☒ 1. 102
  - ☒ 2. 100
  - ☒ 3. 105
  - ☒ 4. 106

Q.7 If 70% of the cost price of an article is equal to 40% of its selling price, what is the profit percentage?

- Ans
- ☒ 1. 75%
  - ☒ 2. 85%
  - ☒ 3. 20%
  - ☒ 4. 45%

Q.8 What is the effective discount percentage if a shopkeeper offers a scheme discount 'buy five and get one free'?

- Ans
- ☒ 1. 15.67%
  - ☒ 2. 16.33%
  - ☒ 3. 15.33%
  - ☒ 4. 16.67%



**Q.9** From the salary of a software engineer, if 15% is used as house rent, 25% of the remaining is spent on household items, 25% of the remaining as income tax, and 15% of the remaining on clothing, then he is left with ₹10,404. Find his total salary.

**Ans** ☒ 1. ₹25,600

☐ 2. ₹22,600

☐ 3. ₹23,600

☐ 4. ₹24,600

**Q.10** The distance between the centres of two circles of radii 4 cm and 2 cm is 10 cm. The length (in cm) of a transverse common tangent is:

**Ans** ☐ 1. 6

☒ 2. 8

☐ 3. 11

☐ 4. 13

**Q.11** If 35 is the mean proportional of 25 and x, then what is value of x?

**Ans** ☐ 1. 47

☐ 2. 46

☐ 3. 48

☒ 4. 49

**Q.12** Consider two concentric circles having radii 17 cm and 15 cm. What is the length (in cm) of the chord, of the bigger circle, which is a tangent to the smaller circle?

**Ans** ☐ 1. 12

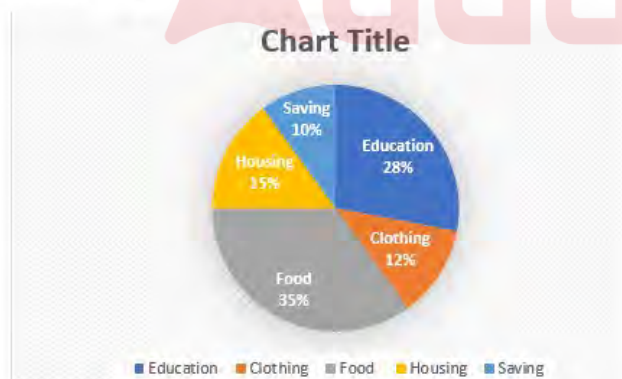
☐ 2. 10

☐ 3. 8

☒ 4. 16

**Q.13** Study the given pie-chart and answer the question that follows.

The pie-chart shows the monthly expenditure incurred by a family on various items and their savings.



If the total expenditure is ₹84,000, then what is the expenditure on food (in ₹)?

**Ans** ☐ 1. 27400

☒ 2. 29400

☐ 3. 19400

☐ 4. 23500

**Q.14** Two equal circles are drawn on a square in such a way that opposite side of the square forms the diameter of each circle. If the remaining area of the square is  $42 \text{ cm}^2$ , what is the measurement (in cm) of the diameter of each circle?

Ans ☒ 1. 14

☒ 2. 2.5

☒ 3. 7

☒ 4. 3.5

**Q.15** Moving at  $\frac{6}{7}$  of its usual speed, a bus is 20 minutes late. What is its usual time to cover the journey?

Ans ☒ 1. 3 hours

☒ 2. 4 hours

☒ 3. 1.5 hours

☒ 4. 2 hours

**Q.16** If  $\triangle ABC$  and  $\triangle PQR$  are similar.  $AB = 8 \text{ cm}$ ,  $PQ = 12 \text{ cm}$ ,  $QR = 18 \text{ cm}$  and  $RP = 24 \text{ cm}$ , then the perimeter of  $\triangle ABC$  is \_\_\_\_\_ cm.

Ans ☒ 1. 36

☒ 2. 42

☒ 3. 54

☒ 4. 27

**Q.17** A hemisphere has a radius of 6.2 cm. Find its total surface area (use  $\pi = 3.14$ ) (round off to two decimal places).

Ans ☒ 1.  $276.35 \text{ cm}^2$

☒ 2.  $282.25 \text{ cm}^2$

☒ 3.  $358.52 \text{ cm}^2$

☒ 4.  $362.10 \text{ cm}^2$

**Q.18** On dividing a certain number by 304, we get 43 as the remainder. If the same number is divided by 16, what will be the remainder?

Ans ☒ 1. 8

☒ 2. 11

☒ 3. 15

☒ 4. 12

- Q.19** Read the given information and answer the question that follows.  
The following table gives the percentage of marks obtained by seven students in six different subjects in an examination.  
The number in the brackets gives the maximum marks in each subject.

Student	Subject (Max. Marks)					
	Maths	Chemistry	Physics	Geography	History	Computer Science
	(150)	(130)	(120)	(100)	(60)	(40)
Ayush	90	50	90	60	70	80
Aman	100	80	80	40	80	70
Sajal	90	60	70	70	90	70
Rohit	80	65	80	80	60	60
Muskan	80	65	85	95	50	90
Tanvi	70	75	65	85	40	60
Tarun	65	35	50	77	80	80

What is the total raw score obtained by Rohit?

- Ans ☐ 1. 430.5  
☐ 2. 444.5  
☒ 3. 440.5  
☐ 4. 425

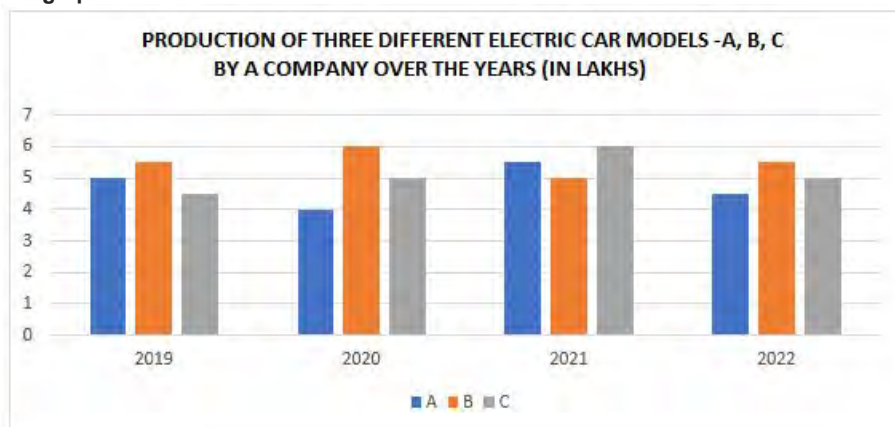
- Q.20** The sum of the five consecutive even numbers is 2720. The sum of the third and fifth numbers is:

- Ans ☐ 1. 1392  
☐ 2. 1192  
☒ 3. 1092  
☐ 4. 1292

- Q.21** 47 masons can dig a 35 m long trench in one day. How many masons should be employed for digging a 105 m long trench of the same type in one day?

- Ans ☐ 1. 94  
☐ 2. 70  
☒ 3. 141  
☐ 4. 128

Q.22 An electric vehicle company produces three different car models: A, B and C. The production of three different models over a period of four years has been shown in the bar graph below.



What is the difference between the average production of Model A in 2019, 2021 and 2022 and the average production of Model B in 2020, 2021 and 2022?

- Ans
- ☐ 1. 95,000 cars
  - ☐ 2. 45,000 cars
  - ☐ 3. 80,000 cars
  - ☒ 4. 50,000 cars

Q.23 If the side of a square is increased by 5%, then the percentage increase in its area will be:

- Ans
- ☐ 1. 11%
  - ☒ 2. 10.25%
  - ☐ 3. 10%
  - ☐ 4. 10.5%

Q.24 If the brick size is 25 cm×12 cm×9 cm, then how many bricks are required to construct a wall of length 10 m, breadth 22.5 cm and height 6 m?

- Ans
- ☐ 1. 4500
  - ☐ 2. 6000
  - ☐ 3. 8000
  - ☒ 4. 5000

Q.25 Given that  $\sin \theta = \frac{15}{17}$ . Evaluate  $\frac{15 \cot \theta + 17 \sin \theta}{8 \tan \theta + 16 \sec \theta}$ , where  $0^\circ < \theta < 90^\circ$ .

- Ans
- ☒ 1.  $\frac{23}{49}$
  - ☐ 2.  $\frac{49}{26}$
  - ☐ 3.  $\frac{26}{23}$
  - ☐ 4.  $\frac{49}{23}$

**Q.1 Who is the only Indian woman who has been ranked world's no.1 for badminton?**

- Ans ☒ 1. Saina Nehwal
- ☐ 2. Rituparna Das
- ☐ 3. Jwala Gutta
- ☐ 4. P V Sindhu

**Q.2 Which folk music does NOT belong to Nagaland?**

- Ans ☒ 1. Nyioga
- ☐ 2. Heliamleu
- ☐ 3. Hereileu
- ☐ 4. Neuleu

**Q.3 What is the main objective of Fiscal Responsibility and Budget Management Act (FRBMA), 2003?**

- Ans ☐ 1. To increase exports
- ☐ 2. To increase excise duty
- ☒ 3. To reduce fiscal deficit
- ☐ 4. To reduce subsidies

**Q.4 Mahabalipuram temple was built under the reign of which of the following dynasties?**

- Ans ☐ 1. Rashtrakuta
- ☒ 2. Pallava
- ☐ 3. Pratihara
- ☐ 4. Chola

**Q.5 'Chhau' is a popular dance of which of the following state?**

- Ans ☒ 1. Gujarat
- ☐ 2. Haryana
- ☐ 3. Jharkhand
- ☐ 4. Kerala

**Q.6 In September 2022 the book 'Ambedkar and Modi: Reformer's Ideas Performer's Implementation' has been written by which of the following personalities?**

- Ans ☐ 1. Sarvepalli Radhakrishnan
- ☐ 2. Pratibha Patil
- ☐ 3. APJ Abdul Kalam
- ☒ 4. Ram Nath Kovind

**Q.7 In July 2021, which state government passed a resolution supporting an ad hoc committee report that favoured the creation of a legislative council?**

- Ans ☐ 1. Bihar
- ☒ 2. West Bengal
- ☐ 3. Telangana
- ☐ 4. Odisha

**Q.8 Orographic rainfall occurs when \_\_\_\_\_.**

- Ans**
- ☒ 1. a cyclone makes a landfall
  - ☒ 2. saturated air mass comes across a mountain
  - ☐ 3. hot air rises up in conventional currents
  - ☐ 4. the air masses collide at Intertropical Convergence Zone

**Q.9 On what type of data can MS Excel functions operate?**

- Ans**
- ☐ 1. External data sources only
  - ☐ 2. Entire worksheets only
  - ☒ 3. Range of cells or groups of cells
  - ☐ 4. Individual cells only

**Q.10 According to Census of India 2011, how many districts are there in India?**

- Ans**
- ☐ 1. 630
  - ☒ 2. 640
  - ☐ 3. 610
  - ☐ 4. 620

**Q.11 What will happen when you select the cell contents of a particular row in MS-Excel and then click the Delete button?**

- Ans**
- ☐ 1. First five cell entries will be deleted
  - ☐ 2. Only first three cells will be deleted
  - ☐ 3. Entire row will be deleted
  - ☒ 4. Entries in all the selected cells will be deleted

**Q.12 Which of the following is an example of a 'solid in a liquid' type of solution?**

- Ans**
- ☐ 1. Vinegar
  - ☒ 2. Tincture of iodine
  - ☐ 3. Brass
  - ☐ 4. Bronze

**Q.13 The Reserve Bank of India was fully nationalised and owned by the Government of India in which of the following years?**

- Ans**
- ☐ 1. 1948
  - ☐ 2. 1947
  - ☒ 3. 1949
  - ☐ 4. 1950

**Q.14 The Industrial Policy Resolution, 1948 mainly categorised the large-scale industries into \_\_\_\_\_ fragments.**

- Ans**
- ☐ 1. two
  - ☒ 2. four
  - ☐ 3. three
  - ☐ 4. five

**Q.15** Which of the following was NOT a venue for the 66<sup>th</sup> National School Games 2022-23?

- Ans
- ☒ 1. Delhi
  - ☒ 2. Bhopal
  - ☒ 3. Ludhiana
  - ☒ 4. Gwalior

**Q.16** In April 2023, Government of India launched Vibrant Village Programme from Kibithoo village which is located in \_\_\_\_\_.

- Ans
- ☒ 1. Bihar
  - ☒ 2. Arunachal Pradesh
  - ☒ 3. Assam
  - ☒ 4. Meghalaya

**Q.17** When was the Bharat Nirman Programme launched by the Government of India?

- Ans
- ☒ 1. 2014
  - ☒ 2. 2005
  - ☒ 3. 2010
  - ☒ 4. 2000

**Q.18** Which of the following is NOT a poverty alleviation programme in India?

- Ans
- ☒ 1. Rashtriya Uccatar Shiksha Abhiyan
  - ☒ 2. Swarna Jayanti Shahari Rozgar Yojana
  - ☒ 3. Prime Minister Rozgar Yojana
  - ☒ 4. Integrated Rural Development Program

**Q.19** Which famous book was written by 'Haripala'?

- Ans
- ☒ 1. Gita Govinda
  - ☒ 2. Sangeet Darpan
  - ☒ 3. Sangeet Ratnakara
  - ☒ 4. Sangeeta Sudhakara

**Q.20** How do the muscle cells help in movement?

- Ans
- ☒ 1. The thickness of the cell layer helps in movement.
  - ☒ 2. The lining of the vessels inside help in movement.
  - ☒ 3. The blood flow of the cells helps in movement.
  - ☒ 4. The contraction and relaxation of these cells result in movement.

**Q.21** The fifth edition of the Khelo India Youth Games were organised in Bhopal city in which year?

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

Q.22 Which of the following is the festival of Kerala that heralds the harvest season, lasts for 10 days, and has snake boat races etc?

- Ans ☒ 1. Vishu  
☒ 2. Thiruvathira  
☒ 3. Thrissur Pooram  
☒ 4. Onam

Q.23 Which of the following statements are INCORRECT vis-à-vis features of the Indian Constitution?

- 1) The Constitution empowers the Prime Minister to proclaim three types of emergencies.  
2) A reservation policy is there to uplift the disadvantaged sections of society.  
3) The Supreme Court has no power of judicial review.  
4) The Constitution provides for universal adult suffrage.

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

Q.24 Which of the following groups of places in India has little differences in day and night temperatures?

- Ans ☒ 1. Chennai and Thiruvananthapuram  
☒ 2. Jaipur and Jaisalmer  
☒ 3. Bhopal and Indore  
☒ 4. Jammu and Kashmir

Q.25 Article 20 of the Constitution of India is related to \_\_\_\_.

- Ans ☒ 1. equality of opportunities in matters of public employment  
☒ 2. protection in respect of conviction for offenses  
☒ 3. freedom to manage religious affairs  
☒ 4. abolition of titles