

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	02/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

Section : English Language

Q.1 Identify the grammatical error in the following sentence and select the correct tense from the options given below.

I have met my friend yesterday.

- Ans**
- ☒ 1. had been meeting
 - ☒ 2. was meeting
 - ☒ 3. met my friend
 - ☒ 4. have been meeting

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The teacher was / taken back by / the audacity of / the new student.
A B C D

- Ans**
- ☒ 1. D
 - ☒ 2. C
 - ☒ 3. A
 - ☒ 4. B

Q.3 Select the most appropriate article to fill in the blank.
_____ bed you sleep in is broken.

- Ans**
- ☒ 1. A
 - ☒ 2. On
 - ☒ 3. The
 - ☒ 4. An

Q.4 Select the option that will improve the given sentence by using the most appropriate verb.
That Macbook belong to Xavier.

- Ans**
- ☒ 1. That Macbook is belonged to Xavier.
 - ☒ 2. That Macbook belongs to Xavier.
 - ☒ 3. That Macbook belonging to Xavier.
 - ☒ 4. That Macbook is belong to Xavier.

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.

It is generally (1) _____ that the methodology of teaching-learning is the concern of teachers only. Learners have (2) _____ or nothing to do with it. But this is not true. The teaching-learning (3) _____ are concerns of learners as well. Knowing and understanding that how different subjects are taught are important for the learners of all subjects, but it has more (4) _____ for the learners of physical education. When we talk about you as learners of physical education, we mean that you have actually participated in the subject area, rather than (5) _____ studied it.

SubQuestion No : 5

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

- Ans**
- ☐ 1. hoped
 - ☐ 2. wished
 - ☐ 3. planned
 - ☒ 4. believed

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.

It is generally (1) _____ that the methodology of teaching-learning is the concern of teachers only. Learners have (2) _____ or nothing to do with it. But this is not true. The teaching-learning (3) _____ are concerns of learners as well. Knowing and understanding that how different subjects are taught are important for the learners of all subjects, but it has more (4) _____ for the learners of physical education. When we talk about you as learners of physical education, we mean that you have actually participated in the subject area, rather than (5) _____ studied it.

SubQuestion No : 6

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

- Ans**
- ☐ 1. light
 - ☐ 2. minute
 - ☒ 3. little
 - ☐ 4. sparse

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.

It is generally (1) _____ that the methodology of teaching-learning is the concern of teachers only. Learners have (2) _____ or nothing to do with it. But this is not true. The teaching-learning (3) _____ are concerns of learners as well. Knowing and understanding that how different subjects are taught are important for the learners of all subjects, but it has more (4) _____ for the learners of physical education. When we talk about you as learners of physical education, we mean that you have actually participated in the subject area, rather than (5) _____ studied it.

SubQuestion No : 7

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

- Ans**
- ☐ 1. forms
 - ☐ 2. breaks
 - ☐ 3. customs
 - ☒ 4. methods

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.

It is generally (1) _____ that the methodology of teaching-learning is the concern of teachers only. Learners have (2) _____ or nothing to do with it. But this is not true. The teaching-learning (3) _____ are concerns of learners as well. Knowing and understanding that how different subjects are taught are important for the learners of all subjects, but it has more (4) _____ for the learners of physical education. When we talk about you as learners of physical education, we mean that you have actually participated in the subject area, rather than (5) _____ studied it.

SubQuestion No : 8

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

- Ans**
- ☐ 1. reference
 - ☐ 2. recurrence
 - ☒ 3. relevance
 - ☐ 4. consistency

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.

It is generally (1) _____ that the methodology of teaching-learning is the concern of teachers only. Learners have (2) _____ or nothing to do with it. But this is not true. The teaching-learning (3) _____ are concerns of learners as well. Knowing and understanding that how different subjects are taught are important for the learners of all subjects, but it has more (4) _____ for the learners of physical education. When we talk about you as learners of physical education, we mean that you have actually participated in the subject area, rather than (5) _____ studied it.

SubQuestion No : 9

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

- Ans**
- ☒ 1. merely
 - ☐ 2. hardly
 - ☐ 3. purely
 - ☐ 4. entirely

Q.10 Select the most appropriate meaning of the given idiom.
On its last legs

- Ans**
- ☐ 1. Creeping on legs
 - ☐ 2. Last choice
 - ☐ 3. Slow movement
 - ☒ 4. In a bad condition

Q.11 Select the most appropriate **ANTONYM** of the underlined word in the following sentence.
The upshot of the consultation with the doctor was an operation scheduled for the next week.

- Ans**
- ☐ 1. Blame
 - ☒ 2. Cause
 - ☐ 3. Result
 - ☐ 4. Estimate

Q.12 Select the most appropriate idiomatic expression that can substitute the underlined segment in the given sentence.:
It feels like I made a promise of more than my ability when I promised to complete this worksheet in one day.

- Ans**
- ☐ 1. beat my brain out
 - ☐ 2. beat the drum
 - ☒ 3. bit off more than I could chew
 - ☐ 4. burnt a hole in my pocket

Q.13 Select the most appropriate option that can substitute the underlined segment in the given sentence.
It will take two hours to walk across the forest.

- Ans**
- ☒ 1. through
 - ☐ 2. over
 - ☐ 3. away
 - ☐ 4. between

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence.
The wizard, while performing an item, accidentally set his own hat on fire and prompted the fire alarm to go on.

- Ans**
- ☐ 1. the fire alarm to go away
 - ☐ 2. the fire alarm to go under
 - ☒ 3. the fire alarm to go off
 - ☐ 4. the fire alarm to go above

Q.15 Identify the incorrectly spelt word and select its correct spelling.
Maybe he wanted to make sure he didn't embarrese her.

- Ans**
- ☐ 1. sware
 - ☐ 2. shure
 - ☒ 3. embarrass
 - ☐ 4. emberess

Q.16 Select the most appropriate **ANTONYM** of the underlined word in the given sentence.
The plot of the novel is very dull.

- Ans**
- ☐ 1. Diverting
 - ☒ 2. Riveting
 - ☐ 3. Plodding
 - ☐ 4. Charming

Q.17 Select the most appropriate option that collocates with 'wish' to fill in the blank.
The genie asked Aladdin to _____ a wish.

- Ans**
- ☒ 1. make
 - ☐ 2. take
 - ☐ 3. ask
 - ☐ 4. tell

Q.18 Select the most appropriate synonym of the given word.
Remission

- Ans**
- ☒ 1. Pardon
 - ☐ 2. Retribution
 - ☐ 3. Punishment
 - ☐ 4. Overlook

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

You can be sentenced for trespassing on someone else's property.

- Ans**
- ☐ 1. conspiring against others
 - ☒ 2. entering without permission
 - ☐ 3. leaving without permission
 - ☐ 4. showing unselfish devotion

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

Let us assume that we will do the job honestly.

- Ans**
- ☐ 1. allow
 - ☒ 2. think
 - ☐ 3. take
 - ☐ 4. give

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

She could easily eat the _____ biryani by herself.

- Ans**
- ☒ 1. whole
 - ☐ 2. haul
 - ☐ 3. hall
 - ☐ 4. hole

Q.22 Select the option that rectifies the spelling of the underlined word in the given sentence.
It has been a usual ocurrence for a few days now.

- Ans
- ☐ 1. occerrence
 - ☐ 2. occurrence
 - ☐ 3. occurence
 - ☒ 4. occurrence

Q.23 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement required'.
We set up on the journey early in the morning.

- Ans
- ☒ 1. set off
 - ☐ 2. set in
 - ☐ 3. No improvement required
 - ☐ 4. set about

Q.24 Select the most appropriate ANTONYM of the word given in the bracket to fill in the blank.

The State media houses present _____ (vociferous) views compared to private media.

- Ans
- ☐ 1. political
 - ☐ 2. biased
 - ☒ 3. mild
 - ☐ 4. assertive

Q.25 Select the most appropriate ANTONYM of the underlined word in the given sentence.
Few people turned up to attend the tawdry promo of the new movie.

- Ans
- ☒ 1. Elegant
 - ☐ 2. Showy
 - ☐ 3. Inferior
 - ☐ 4. Gawdy

Section : General Intelligence

Q.1 What should come in place of ? in the given series based on the English alphabetical order?

SLE CXS ? WVU GHI

- Ans
- ☐ 1. COR
 - ☐ 2. HAP
 - ☐ 3. OWG
 - ☒ 4. MJG

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



- Ans
- ☒ 1. e7y6fR
 - ☐ 2. e7y6fR
 - ☐ 3. e7y6fR
 - ☐ 4. e7y6fR

Q.3 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. MPR
 - ☒ 2. TWY
 - ☒ 3. BEG
 - ☒ 4. JMN

Q.4 Select the letter-cluster pair that best represents a similar relationship to the one expressed in the pairs of letter-clusters given below.
GKI : MQO
CGE : IMK

- Ans**
- ☒ 1. HLJ : NRO
 - ☒ 2. LPN : RVT
 - ☒ 3. RUT : VZX
 - ☒ 4. JOM : PUR

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

M
|
5 @ h R p 7
|
N

- Ans**
- ☒ 1. 7 q R h @ 5
 - ☒ 2. 7 q R h @ 5
 - ☒ 3. 7 q R h @ 5
 - ☒ 4. 7 q R h @ 5

Q.6 9 is related to 47 following a certain logic. Following the same logic, 12 is related to 62. To which of the following is 17 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/ subtracting /multiplying 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. 97
 - ☒ 2. 87
 - ☒ 3. 85
 - ☒ 4. 75

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/number of consonants/vowels in the word)

Happy : Ecstatic

- Ans**
- ☒ 1. Loyal : Betray
 - ☒ 2. Honest : Deceptive
 - ☒ 3. Polite : Courteous
 - ☒ 4. Progress : Stagnation

Q.8 What should come in place of the question mark (?) in the given series?

3, 10, 24, ?, 73, 108, 150, 199

- Ans
- ☐ 1. 40
 - ☐ 2. 30
 - ☐ 3. 35
 - ☒ 4. 45

Q.9 'A + B' means 'A is the brother of B'.

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

'A × B' means 'A is the father of B'.

'A ÷ B' means 'A is the mother of B'.

Using the same meaning of the mathematical operators as given above, which of the following shows 'P is the father's father of S'?

- Ans
- ☐ 1. $P - Q + R \div S$
 - ☒ 2. $P \times Q \times R + S$
 - ☐ 3. $P + Q - R + S$
 - ☐ 4. $P + Q \div R \times S$

Q.10 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?

95 B 8 D 12 A 2 C 16 = ?

- Ans
- ☐ 1. 710
 - ☐ 2. 750
 - ☐ 3. 730
 - ☒ 4. 770

Q.11 Each of the letters in the word FRAMED is arranged in alphabetical order. How many letters are there in the English alphabetical series between the letter which is second from the left and the one which is second from the right in the new letter cluster thus formed?

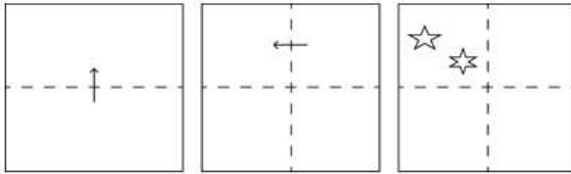
- Ans
- ☐ 1. Nine
 - ☒ 2. Eight
 - ☐ 3. Six
 - ☐ 4. Seven

Q.12 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

11 B 11 D 68 A 4 C 4 = ?

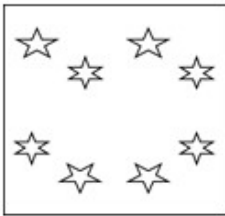
- Ans
- ☐ 1. 106
 - ☐ 2. 102
 - ☒ 3. 108
 - ☐ 4. 104

Q.13 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last. How would the paper look when unfolded?

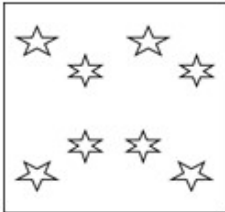


Ans

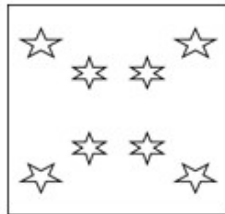
☒ 1.



☒ 2.



☒ 3.



☒ 4.



Q.14 In a certain code language, 'BROW' is coded as '7542' and 'WORM' is coded as '7295'. What is the code for 'B' in the given code language?

Ans

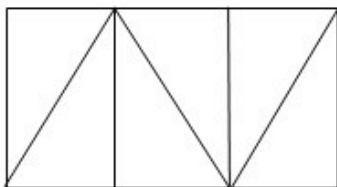
☒ 1. 2

☒ 2. 9

☒ 3. 4

☒ 4. 7

Q.15 How many triangles are there in the following figure?



Ans

☒ 1. 6

☒ 2. 5

☒ 3. 7

☒ 4. 8

Q.16 What will come in the place of '?' in the following equation if '+' and '×' are interchanged and '-' and '÷' are interchanged?
 $90 - 10 \times 36 + 52 \div 49 = ?$

- Ans**
- ☒ 1. 654
 - ☒ 2. 1832
 - ☒ 3. 879
 - ☒ 4. 567

Q.17 Each of the letters in the word JUSTICE are arranged in alphabetical order. How many letters are there in the English alphabetical series between the letter that is second from the left and the one that is fourth from the right in the new letter cluster thus formed ?

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

Q.18 Which of the following numbers will replace the question mark (?) in the given series?
12 60 20 100 60 300 260 ?

- Ans**
- ☒ 1. 1300
 - ☒ 2. 1160
 - ☒ 3. 1240
 - ☒ 4. 1280

Q.19 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
ECF, JHK, OMP, TRU, ?

- Ans**
- ☒ 1. YWZ
 - ☒ 2. XVZ
 - ☒ 3. XYZ
 - ☒ 4. YVZ

Q.20 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 fire is water.

Some water is earth.

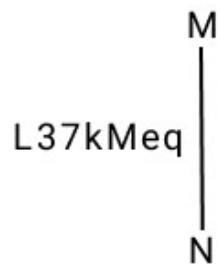
No earth is air.

Conclusion (I): Some fire is earth.

Conclusion (II): Some fire is air.

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

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



Ans

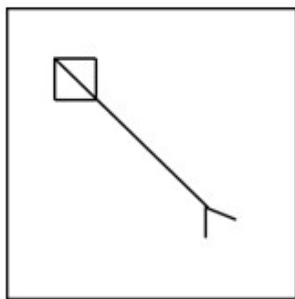
☒ 1. Meqk73L

☒ 2. pəMk73L

☒ 3. L37kMeq

☒ 4. 737kMəp

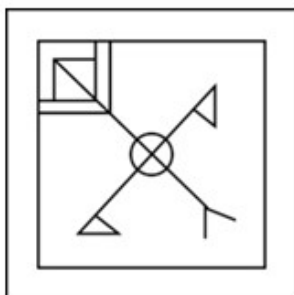
Q.22 Select the option in which the given figure X is embedded (rotation is NOT allowed).



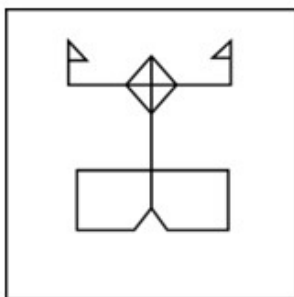
(X)

Ans

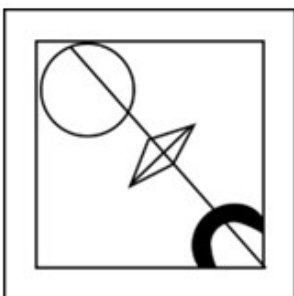
✓ 1.



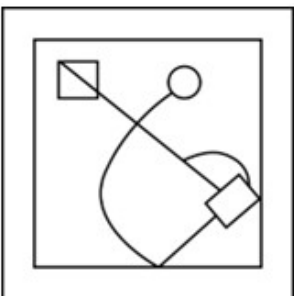
✗ 2.



✗ 3.



✗ 4.

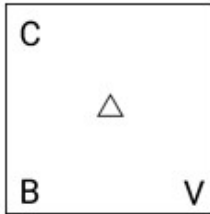


Q.23 Which figure should replace the question mark (?) if the following figure series were to be continued?

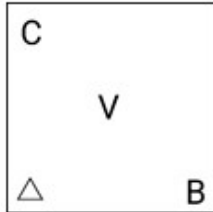
V	4	△	X	
X	B	V	B	
B	4 X	V B	X V	△
				?

Ans

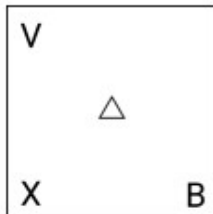
✓ 1.



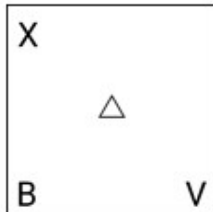
✗ 2.



✗ 3.



✗ 4.



Q.24 In a certain code language, 'SORT' is coded as '4698' and 'RUST' is coded as '6429'. How is 'O' coded in the given language?

Ans

✗ 1. 6

✗ 2. 9

✗ 3. 4

✓ 4. 8

Q.25 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.)
(18, 7, 119)
(11, 9, 90)

Ans

✗ 1. (13, 5, 58)

✗ 2. (16, 5, 65)

✓ 3. (12, 4, 44)

✗ 4. (17, 6, 102)

Q.1

If $\sqrt{13} \sin \theta = 2$, then the value of $\frac{3 \tan \theta + \sqrt{13} \sin \theta}{\sqrt{13} \cos \theta - 3 \tan \theta}$ is:

Ans

✓ 1. 4

✗ 2. 3

✗ 3. 2

✗ 4. 0

Q.2

In $\triangle ABC$ the straight line parallel to the side BC meets AB and AC at the points P and Q, respectively. If AP = QC, the length of AB is 12 cm and the length of AQ is 2 cm, then the length (in cm) of CQ is:

Ans

✗ 1. 6

✓ 2. 4

✗ 3. 3

✗ 4. 2

Q.3

Simplify the following:

$$\frac{3}{2} \times \frac{11}{5} \div \left(\frac{25}{44} \times \frac{11}{5} \right) \div \frac{33}{15} = ?$$

Ans

✓ 1. $\frac{6}{5}$ ✗ 2. $\frac{1}{2}$ ✗ 3. $\frac{2}{3}$ ✗ 4. $\frac{5}{6}$

Q.4

At the beginning of day 1 of a month, Rajesh has 500 eggs. He sells 20% of the eggs by the end of the day and added b% of the eggs at the beginning of the next day and sold 20% of the eggs at the end of the next day. This pattern continued up to the end of the third day of the month when he is left with 1024 eggs. The value of b is equal to:

Ans

✗ 1. 20

✗ 2. 10

✗ 3. 500

✓ 4. 100

Q.5

The outer surface of a sphere having diameter 10 m is painted at the rate of ₹ $\frac{80}{\pi}$ per m^2 . What is the cost of painting?

Ans

✗ 1. ₹4,000

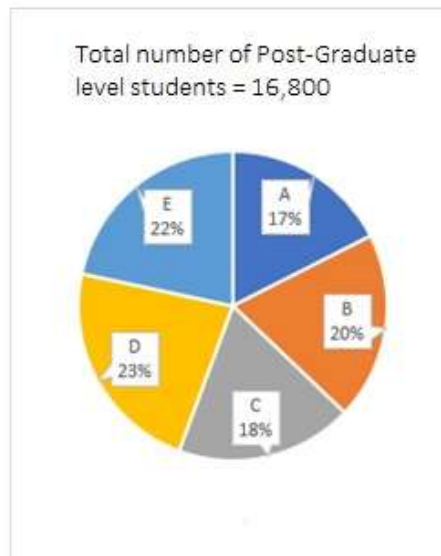
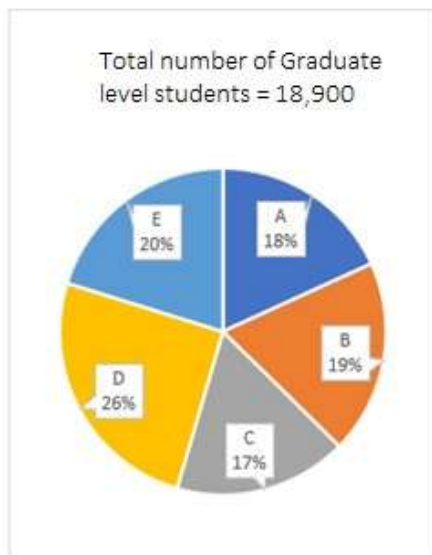
✗ 2. ₹6,000

✓ 3. ₹8,000

✗ 4. ₹9,000

Q.6

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



How many students of colleges A and B are studying at Graduate level?

- Ans
- ☒ 1. 5,987
 - ☒ 2. 4,520
 - ☒ 3. 6,993
 - ☒ 4. 7,052

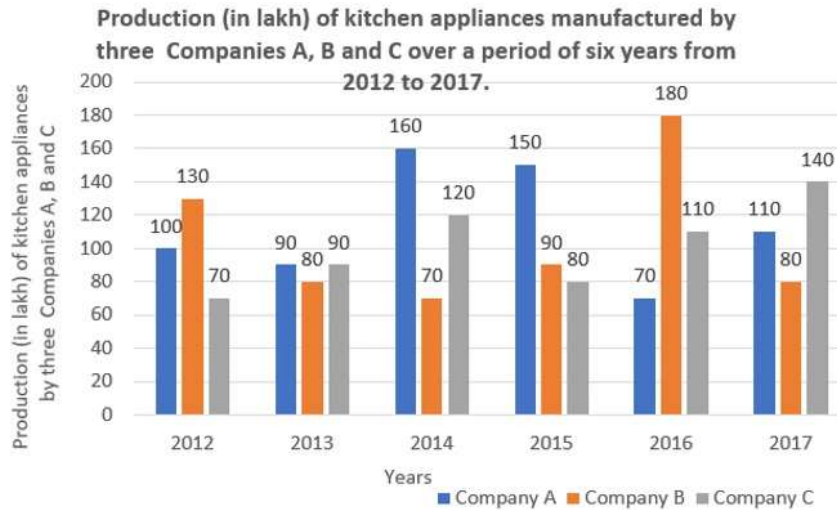
Q.7 L and M are the mid points of sides AB and AC of a triangle ABC, respectively, and BC = 18 cm. If $LM \parallel BC$, then find the length of LM (in cm).

- Ans
- ☒ 1. 6
 - ☒ 2. 3
 - ☒ 3. 9
 - ☒ 4. 12

Q.8

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.



80% of the combined average production of companies B and C is what percentage (to the nearest integer) more/less than 90% of the average production of company A, for the given period of 2012 to 2017?

- Ans
- ☒ 1. 21% more
 - ☒ 2. 21% less
 - ☒ 3. 19% less
 - ☒ 4. 19% more

Q.9 In an election between two candidates, one got 65% of the total valid votes. 20% of the votes were invalid. If the total number of votes was 7,500, the number of valid votes that the other candidate got was:

- Ans
- ☒ 1. 1,700
 - ☒ 2. 2,100
 - ☒ 3. 4,300
 - ☒ 4. 1,900

Q.10 In $\triangle PQR$, $PR = 10$ cm. Find the length of PT , where $ST \parallel QR$. Given that $PS = 6$ cm and $QS = 14$ cm.

- Ans
- ☒ 1. 2 cm
 - ☒ 2. 4 cm
 - ☒ 3. 1.5 cm
 - ☒ 4. 3 cm

Q.11 The radius and height of a cylinder are in the ratio 6 : 7 and its volume is 792 cm^3 . Calculate its curved surface area in cm^2 .

- Ans
- ☒ 1. 490
 - ☒ 2. 226
 - ☒ 3. 264
 - ☒ 4. 262

Q.12 Two trains of lengths 310 m and 330 m, respectively, are 160 m apart. They start moving towards each other on parallel tracks, at speeds 130 km/h and 158 km/h, respectively. In how much time (in seconds) will the trains cross each other?

- Ans**
- ☒ 1. 10
 - ☐ 2. 8
 - ☐ 3. 12
 - ☐ 4. 18

Q.13 A sum becomes ₹6,600 in 4 years at simple interest at a yearly interest rate of 5% per annum. What is the sum?

- Ans**
- ☐ 1. ₹4,400
 - ☐ 2. ₹3,300
 - ☒ 3. ₹5,500
 - ☐ 4. ₹6,000

Q.14 Divide some money in the ratio Ravi, Reeta and Rahul that 5 (Part of Ravi) = 3 (Part of Reeta) = 11 (Part of Rahul). The money ratio of Ravi : Reeta : Rahul is equal to:

- Ans**
- ☐ 1. 5 : 11 : 3
 - ☒ 2. 33 : 55 : 15
 - ☐ 3. 11 : 33 : 15
 - ☐ 4. 11 : 5 : 3

Q.15 What is the number of digits required for numbering a book with 428 pages?

- Ans**
- ☒ 1. 1176
 - ☐ 2. 1500
 - ☐ 3. 2000
 - ☐ 4. 988

Q.16 In June, Rohit's bank account balance is ₹5,000 for 25 days, ₹20,000 for 2 days and ₹1,500 for 3 days. What is the average balance (in ₹) in Rohit's bank account in June?

- Ans**
- ☐ 1. 5575
 - ☒ 2. 5650
 - ☐ 3. 5200
 - ☐ 4. 6000

Q.17 Two offers were being made to Swaroop for a watch with a marked price of ₹1,600. Either two successive discounts of 20%, or two discounts of 30% and 10% after each other is offered. If Swaroop opted for the better plan over the other, how much more must he have saved?

- Ans**
- ☐ 1. ₹35
 - ☐ 2. ₹30
 - ☒ 3. ₹16
 - ☐ 4. ₹22

Q.18 A man spends 35% of his monthly income on food and four-thirteenths of the remaining income on transport. He incurs some other expenses, but also saves Rs.6,300 per month, the latter being equal to 20% of the balance remaining just after spending on food and transport. What is his monthly income (in Rs.)?

- Ans**
- ☐ 1. 67500
 - ☐ 2. 72,000
 - ☒ 3. 70,000
 - ☐ 4. 63000

Q.19 A, B and C can complete a work in 12, 15 and 20 days, respectively. How many days are required to finish the work if they work together?

Ans ☒ 1. 5 days

☐ 2. 3 days

☐ 3. 6 days

☐ 4. 4 days

Q.20 In $\triangle EFG$, $XY \parallel FG$, area of the quadrilateral $XFGY = 44 \text{ m}^2$. If $EX : XF = 2 : 3$, then find the area of $\triangle EXY$ (in m^2).

Ans ☒ 1. 8.38

☐ 2. 9.46

☐ 3. 7.28

☐ 4. 8.10

Q.21 If the point of intersection of lines $x + y = 2$ and $2x - y = 1$ lies on $y = Kx + 5$, what is the value of K?

Ans ☐ 1. 3

☒ 2. -4

☐ 3. 4

☐ 4. -3

Q.22 The difference between the cost price and the selling price of an article is ₹1,800. If there is a profit of 20%, then the cost price of the article is:

Ans ☒ 1. ₹9,000

☐ 2. ₹11,000

☐ 3. ₹8,000

☐ 4. ₹7,000

Q.23 The triangle has sides 3 cm, 4 cm and 5 cm. What is the length of the perpendicular from the opposite vertex to the side whose length is 5 cm?

Ans ☒ 1. 2.4 cm

☐ 2. 3.5 cm

☐ 3. 1.4 cm

☐ 4. 2.2 cm

Q.24 Study the given table and answer the question that follows.

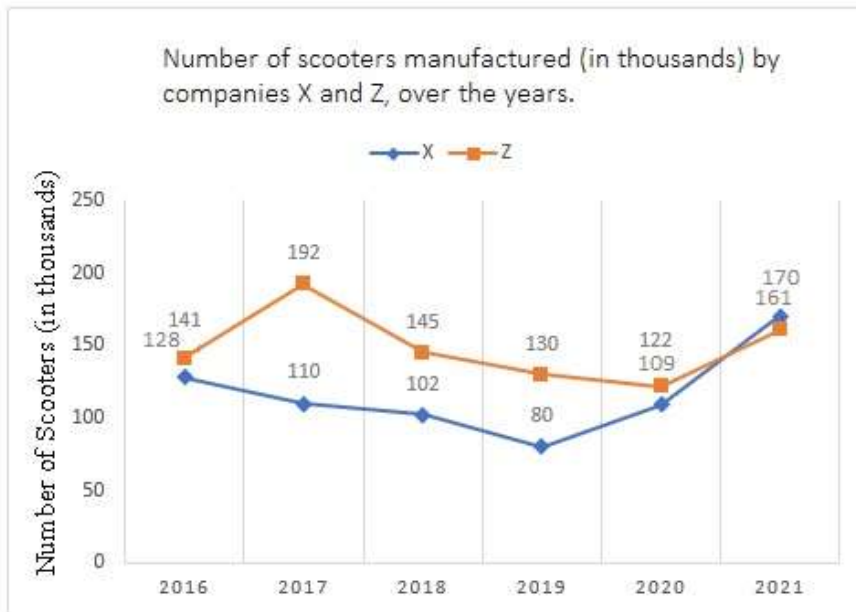
The table shows the number of students appeared and qualified (in thousands) district-wise in the EMCET examination in a state.

Year	A	B	C	D	E	F
	App/Qual	App/Qual	App/Qual	App/Qual	App/Qual	App/Qual
2014	40/21	50/35	60/29	50/37	45/22	48/32
2015	50/26	60/38	60/42	40/26	35/22	45/19
2016	55/42	35/22	48/26	50/30	55/27	60/19

The total percentage of students who qualified in the year 2016 (correct up to two decimals) is:

- Ans
- ✓ 1. 54.78%
 - ✗ 2. 44.72%
 - ✗ 3. 52.82%
 - ✗ 4. 55.18%

Q.25 The given line graph shows the number of scooters manufactured (in thousands) by companies X and Z, over the years.



What is the average number of scooters manufactured by company X over the given period?

- Ans
- ✗ 1. 126500
 - ✗ 2. 213000
 - ✗ 3. 256000
 - ✓ 4. 116500

Section : General Awareness

Q.1 Which of the following musical forms in Carnatic Classical is the simplest composition of raga?

- Ans
- ✗ 1. Varnam
 - ✗ 2. Pada
 - ✓ 3. Gitam
 - ✗ 4. Kirtnam

Q.2 How can you insert a blank row at the top of a worksheet?

- Ans**
- ☐ 1. Right-click on the row number and select Insert.
 - ☒ 2. Drag the mouse on the row border to select the row and click Insert in the Cells group on the Home tab.
 - ☐ 3. Click on the row number and press the Insert key on the keyboard.
 - ☐ 4. Click on the row number and press the Delete key on the keyboard.

Q.3 In Microsoft PowerPoint, what is the shortcut key combination to insert a new slide in a presentation?

- Ans**
- ☐ 1. Ctrl + N
 - ☐ 2. Ctrl + D
 - ☐ 3. Ctrl + I
 - ☒ 4. Ctrl + M

Q.4 Which of the following was a feature of the Indian economy before the British rule?

- Ans**
- ☐ 1. Prosperous economy
 - ☐ 2. Self-reliant economy
 - ☐ 3. Dependent economy
 - ☒ 4. Independent economy

Q.5 A distinctive cross-shaped constellation best seen in the northern hemisphere during the summer and fall months around September is:

- Ans**
- ☐ 1. Pegasus
 - ☐ 2. Ursa Major
 - ☐ 3. Cassiopeia
 - ☒ 4. Cygnus

Q.6 Which of the following dynasties' genealogy was found in the Bijolia inscription?

- Ans**
- ☐ 1. Gahadavala
 - ☐ 2. Parmara
 - ☒ 3. Chahamanas
 - ☐ 4. Chandela

Q.7 In Kabaddi, a super tackle is when a raider is caught/self out/declared out with or less than how many defenders defending?

- Ans**
- ☐ 1. Four
 - ☒ 2. Three
 - ☐ 3. Six
 - ☐ 4. Five

Q.8 Bali Yatra, is a traditional cultural festival of which state?

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

Q.9 In April 2023, India's External Affairs Minister S Jaishankar launched the project for restoration of which of the following ghats?

- Ans**
- ☐ 1. Manikarnika Ghat
 - ☐ 2. Assi Ghat
 - ☐ 3. Cheer Ghat
 - ☒ 4. Tulsi Ghat

Q.10 In which year did Eric A. Cornell, Wolfgang Ketterle and Carl E. Wieman receive the Nobel Prize in Physics for the achieving 'Bose-Einstein condensation in dilute gases of alkali atoms'?

- Ans**
- ☐ 1. 2002
 - ☐ 2. 2000
 - ☒ 3. 2001
 - ☐ 4. 2003

Q.11 In which judgement did the Supreme Court extend the scope of Article 21 and observed that 'the Right to education flows directly from the Right to life'?

- Ans**
- ☐ 1. Kharak Singh v State of UP
 - ☐ 2. Malak Singh v State of Punjab
 - ☒ 3. Mohini Jain v State of Karnataka
 - ☐ 4. Neerja Choudhari v State of M. P.

Q.12 When did the first War of Indian Independence (Sepoy Mutiny) start?

- Ans**
- ☐ 1. 1819
 - ☐ 2. 1887
 - ☒ 3. 1857
 - ☐ 4. 1839

Q.13 In a dihybrid cross between two heterozygous fruit flies with brown bodies and red eyes (BbEe X BbEe), what will be the probability of getting BBEE genotype?

- Ans**
- ☒ 1. 1/16
 - ☐ 2. 1/4
 - ☐ 3. 1/8
 - ☐ 4. 1/2

Q.14 Which of the following Articles was amended by The Constitution Fiftieth Amendment Act, 1984?

- Ans**
- ☐ 1. Article 56
 - ☒ 2. Article 33
 - ☐ 3. Article 78
 - ☐ 4. Article 99

Q.15 _____ has called the Right to Constitutional Remedy as the 'Soul of the Constitution'.

- Ans**
- ☒ 1. Dr. BR Ambedkar
 - ☐ 2. Lal Lajpat Rai
 - ☐ 3. Jawaharlal Nehru
 - ☐ 4. Bal Gangadhar Tilak

Q.16 Which type of soil is found on about 40% of the total area of India?

- Ans**
- ☐ 1. Black soil
 - ☐ 2. Red and Yellow soil
 - ☐ 3. Laterite soil
 - ☒ 4. Alluvial soil

Q.17 _____ at Market Price refers to the sum total of factor incomes earned by residents of a country during an accounting year including net indirect taxes.

- Ans**
- ☐ 1. Net Domestic Product (NDP)
 - ☐ 2. Gross Domestic Product (GDP)
 - ☐ 3. Gross National Product (GNP)
 - ☒ 4. Net National Product (NNP)

Q.18 According to the Census of India 2011, which group of states has the least urban population?

- Ans**
- ☐ 1. Himachal Pradesh and Meghalaya
 - ☒ 2. Himachal Pradesh and Bihar
 - ☐ 3. Uttar Pradesh and Bihar
 - ☐ 4. Madhya Pradesh and Bihar

Q.19 _____ was an Indian dancer and choreographer best known for creating a fusion style of dance adapting European theatrical techniques to Indian classical and folk-dance forms.

- Ans**
- ☐ 1. Smita Nagdev
 - ☐ 2. Ravi Shankar
 - ☐ 3. Shovana Narayan
 - ☒ 4. Uday Shankar

Q.20 Who among the following wrote the popular Telugu patriotic song 'Desamunu preminchumanna, manchi annadi penchumanna' meaning 'Love the nation, grow the goodness'?

- Ans**
- ☐ 1. Goparaju Ramachandra Rao
 - ☒ 2. Gurajada Apparao
 - ☐ 3. Sri Krishnadevaraya
 - ☐ 4. Bammara Potana

Q.21 Lakshmibai National Institute of Physical Education (LNIPE) is located at _____.

- Ans**
- ☒ 1. Madhya Pradesh
 - ☐ 2. Haryana
 - ☐ 3. Punjab
 - ☐ 4. Uttar Pradesh

Q.22 Which of the following districts of India has the highest literacy rate as per Census 2011?

- Ans**
- ☐ 1. Champhai
 - ☒ 2. Serchhip
 - ☐ 3. Idukki
 - ☐ 4. Ernakulam

Q.23 How many countries participated in the first Asian Games held in 1951?

- Ans**
- ☐ 1. 24
 - ☒ 2. 11
 - ☐ 3. 16
 - ☐ 4. 20

Q.24 The Bist Doab Canal System and Makhu Canal System are associated with which state of India?

- Ans**
- ☒ 1. Punjab
 - ☐ 2. Assam
 - ☐ 3. Uttar Pradesh
 - ☐ 4. Gujarat

Q.25 On 9 August 2021, the Parliament had passed the Limited Liability Partnership (Amendment) Bill, 2021. It amended the:

- Ans**
- ☐ 1. Limited Liability Partnership Act, 2012
 - ☒ 2. Limited Liability Partnership Act, 2008
 - ☐ 3. Limited Liability Partnership Act, 2004
 - ☐ 4. Limited Liability Partnership Act, 2016