

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	04/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

Section : English Language

Q.1 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.
She was singing / beautifully in / the concert hall / last night.

- Ans**
- ☐ 1. the concert hall
 - ☐ 2. last night.
 - ☒ 3. She was singing
 - ☐ 4. beautifully in

Q.2 Identify the error in the following sentence and select the option with the correct use of the phrasal verb.
The police inspector was trying to give out the contradicting stories in the scene of the accident.

- Ans**
- ☐ 1. The police inspector was trying to sign up the contradicting stories in the scene of the accident.
 - ☐ 2. The police inspector was trying to rush out the contradicting stories in the scene of the accident.
 - ☒ 3. The police inspector was trying to sort out the contradicting stories in the scene of the accident.
 - ☐ 4. The police inspector was trying to lighten up the contradicting stories in the scene of the accident.

Q.3 Parts of the following sentence have been given as options. Select the option that contains an error.
I will be study around 7 o'clock.

- Ans**
- ☐ 1. around 7 o'clock
 - ☒ 2. be study
 - ☐ 3. will
 - ☐ 4. I

Q.4 The given sentence is divided into four segments. Select the option that has the segment with the grammatical error.
My daughter participate / in the dance competition / that is organised every year / by the Lion's Club.

- Ans**
- ☐ 1. in the dance competition
 - ☐ 2. that is organised every year
 - ☒ 3. My daughter participate
 - ☐ 4. by the Lion's Club.

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.

Nutrition experts have researched the bad effects of junk food and have come to the (1)_____ that junk food manufacturing companies are fooling the people by (2)_____ deceptive advertisements that show junk food as healthy. We must substitute junk food with (3)_____ food like fruits and vegetables. So the next time you think of (4)_____ that burger, hotdog, pizza, samosa, kachori or even ice cream in a restaurant, eating joint or a party, stop your instincts and look for some healthier food (5)_____ instead.

SubQuestion No : 5

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

- Ans**
- ☒ 1. conclusion
 - ☐ 2. derivation
 - ☐ 3. solution
 - ☐ 4. assumption

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.

Nutrition experts have researched the bad effects of junk food and have come to the (1)_____ that junk food manufacturing companies are fooling the people by (2)_____ deceptive advertisements that show junk food as healthy. We must substitute junk food with (3)_____ food like fruits and vegetables. So the next time you think of (4)_____ that burger, hotdog, pizza, samosa, kachori or even ice cream in a restaurant, eating joint or a party, stop your instincts and look for some healthier food (5)_____ instead.

SubQuestion No : 6

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

- Ans**
- ☐ 1. observing
 - ☒ 2. showing
 - ☐ 3. blowing
 - ☐ 4. assuming

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.

Nutrition experts have researched the bad effects of junk food and have come to the (1)_____ that junk food manufacturing companies are fooling the people by (2)_____ deceptive advertisements that show junk food as healthy. We must substitute junk food with (3)_____ food like fruits and vegetables. So the next time you think of (4)_____ that burger, hotdog, pizza, samosa, kachori or even ice cream in a restaurant, eating joint or a party, stop your instincts and look for some healthier food (5)_____ instead.

SubQuestion No : 7

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

- Ans**
- ☐ 1. powerful
 - ☐ 2. expensive
 - ☒ 3. healthier
 - ☐ 4. cleaner

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.

Nutrition experts have researched the bad effects of junk food and have come to the (1)_____ that junk food manufacturing companies are fooling the people by (2)_____ deceptive advertisements that show junk food as healthy. We must substitute junk food with (3)_____ food like fruits and vegetables. So the next time you think of (4)_____ that burger, hotdog, pizza, samosa, kachori or even ice cream in a restaurant, eating joint or a party, stop your instincts and look for some healthier food (5)_____ instead.

SubQuestion No : 8

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

- Ans**
- ☐ 1. skipping
 - ☒ 2. grabbing
 - ☐ 3. building
 - ☐ 4. turning

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.

Nutrition experts have researched the bad effects of junk food and have come to the (1)_____ that junk food manufacturing companies are fooling the people by (2)_____ deceptive advertisements that show junk food as healthy. We must substitute junk food with (3)_____ food like fruits and vegetables. So the next time you think of (4)_____ that burger, hotdog, pizza, samosa, kachori or even ice cream in a restaurant, eating joint or a party, stop your instincts and look for some healthier food (5)_____ instead.

SubQuestion No : 9

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

- Ans
- ☐ 1. comparisons
 - ☐ 2. chances
 - ☐ 3. additions
 - ☒ 4. options

Q.10 Select the most appropriate synonym of the given word.

Desire

- Ans
- ☐ 1. Loathing
 - ☐ 2. Aversion
 - ☐ 3. Disgust
 - ☒ 4. Longing

Q.11 Select the most appropriate option that can substitute the underlined segment in the given sentence.
He takes his always dog for a walk in the park.

- Ans
- ☐ 1. takes his dog for always a walk
 - ☐ 2. takes his dog for an always walk
 - ☒ 3. always takes his dog for a walk
 - ☐ 4. his dog for a walk always takes

Q.12 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
She was thinking at the fun they had.

- Ans
- ☐ 1. beside
 - ☐ 2. by
 - ☐ 3. No substitution required
 - ☒ 4. about

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

- Ans
- ☐ 1. Reliable
 - ☐ 2. Smashed
 - ☐ 3. Passionate
 - ☒ 4. Mild

Q.14 Select the most appropriate option of the given word to fill in the blank.
The new construction sites have _____ attack by the environmentalists.

- Ans
- ☐ 1. come off
 - ☐ 2. come upon
 - ☒ 3. come under
 - ☐ 4. come out

Q.15 Select the most appropriate **ANTONYM** of the underlined word.

The growth of the cell wall is very rarely uniform.

- Ans**
- ☐ 1. Paired
 - ☐ 2. Balanced
 - ☐ 3. Fixed
 - ☒ 4. Variegated

Q.16 Identify the most appropriate **ANTONYM** of the underlined word in the following sentence.

There is no transparency in the procedure followed by the company.

- Ans**
- ☐ 1. Coherence
 - ☐ 2. Reliability
 - ☐ 3. Clarity
 - ☒ 4. Opacity

Q.17 Select the **INCORRECTLY** spelt word in the given sentence.
Shreya prefers wearing green coloured saree on marriage funcktions.

- Ans**
- ☐ 1. Prefers
 - ☐ 2. Wearing
 - ☒ 3. Funcktions
 - ☐ 4. Marriage

Q.18 Select the most appropriate **ANTONYM** of the given word.
Noble

- Ans**
- ☐ 1. Grand
 - ☐ 2. Indescribable
 - ☒ 3. Common
 - ☐ 4. Magical

Q.19 Select the most appropriate **ANTONYM** of the underlined word in the given sentence.
The performance of the team in the lost match was dismal.

- Ans**
- ☒ 1. Luminous
 - ☐ 2. Sadden
 - ☐ 3. Cheap
 - ☐ 4. Dainty

Q.20 Select the most appropriate meaning of the given idiom.
A bolt from the blue

- Ans**
- ☒ 1. A sudden and unexpected event
 - ☐ 2. Thunder and rain in a storm
 - ☐ 3. Raining heavily
 - ☐ 4. A spontaneous but expected event

Q.21 Select the most appropriate **ANTONYM** of the given word.
Benevolent

- Ans**
- ☒ 1. Cruel
 - ☐ 2. Happy
 - ☐ 3. Patient
 - ☐ 4. Harmless

Q.22 Select the most appropriate option that can substitute the underlined word in the given sentence.
A newer, more effective computer system was installed in place of the obsolete one.

- Ans**
- ☒ 1. outdated
 - ☐ 2. current
 - ☐ 3. modern
 - ☐ 4. advanced

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 substitution required'.
I had to write a letter of mistake to my father for the blunder I made.

- Ans**
- ☒ 1. apology
 - ☐ 2. No substitution required
 - ☐ 3. gratitude
 - ☐ 4. circumstance

Q.24 Select the INCORRECTLY spelt word.

- Ans**
- ☐ 1. Physiologist
 - ☐ 2. Contagious
 - ☐ 3. Gracious
 - ☒ 4. Couragious

Q.25 Select the most appropriate meaning of the given idiom.
Walk a tightrope

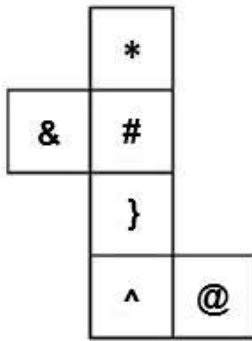
- Ans**
- ☐ 1. To walk on a narrow road
 - ☒ 2. To act carefully in a difficult situation
 - ☐ 3. To be tensed about something
 - ☐ 4. To try and balance yourself

Section : General Intelligence

Q.1 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)
(35, 5, 7)
(108, 12, 9)

- Ans**
- ☐ 1. (118, 15, 9)
 - ☒ 2. (91, 13, 7)
 - ☐ 3. (254, 17, 7)
 - ☐ 4. (114, 14, 8)

Q.2 What would be the symbol on the opposite side of '*' if the given sheet is folded to form a cube?



- Ans
- ☐ 1. &
 - ☒ 2. }
 - ☐ 3. @
 - ☐ 4. ^

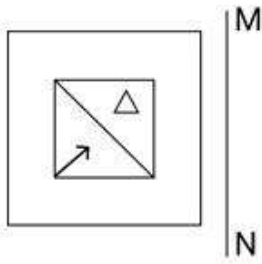
Q.3 The position of how many letters will remain unchanged if each of the letters in the word 'COUNTED' is arranged in English alphabetical order?

- Ans
- ☐ 1. None
 - ☒ 2. Two
 - ☐ 3. More than three
 - ☐ 4. Three

Q.4 In a certain code language, 'now or never' is coded as 'ak bj ut' and 'never be late' is coded as 'bj tl cv'. How is 'never' coded in that language?

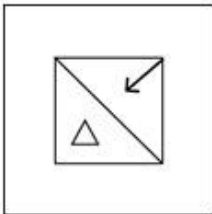
- Ans
- ☐ 1. cv
 - ☒ 2. bj
 - ☐ 3. ak
 - ☐ 4. tl

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

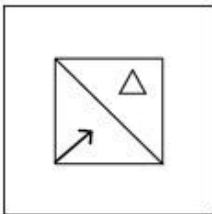


Ans

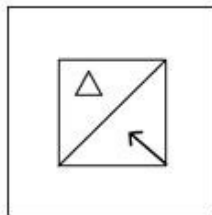
✗ 1.



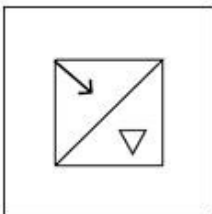
✗ 2.



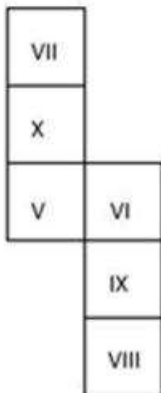
✓ 3.



✗ 4.



Q.6 What would be the Roman numeral on the opposite side of 'VI' if the given sheet is folded to form a cube?



Ans

✗ 1. VII

✓ 2. VIII

✗ 3. V


✗ 4. X


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

119 128 137 146 155 ?

Ans  1. 164

 2. 163

 3. 161

 4. 162

Q.8 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then the resultant of which of the following will be 652?

Ans  1. 109 B 6 A 16 D 2 C 6

 2. 109 B 6 D 16 A 2 C 6


 3. 109 C 6 D 16 A 2 B 6

 4. 109 A 6 D 16 B 2 C 6

Q.9 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?
LPT, ?, BBF, JUL, RNR

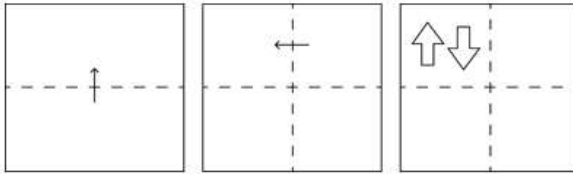
Ans  1. COD

 2. TIZ

 3. FIZ

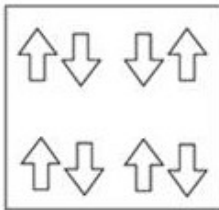
 4. UTL

Q.10 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?

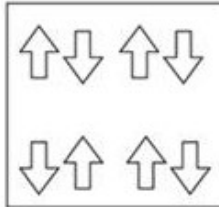


Ans

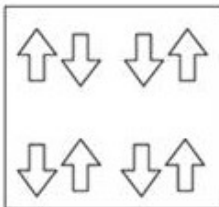
☒ 1.



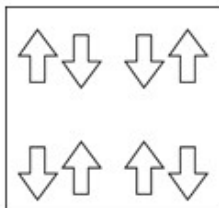
☒ 2.



☒ 3.



☒ 4.



Q.11 The position of how many letters will remain unchanged if each of the letters in the word 'POWDERS' is arranged in English alphabetical order?

Ans ☒ 1. More than three

☒ 2. Three

☒ 3. None

☒ 4. One

Q.12 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/स्वरो की संख्या के आधार पर एक दूसरे से संबंधित नहीं किया जाना चाहिए।)

कुत्ते – भौंकना

Ans ☒ 1. सांप – दहाड़ना

☒ 2. गायें – किकियाना

☒ 3. गधे – रेंकना

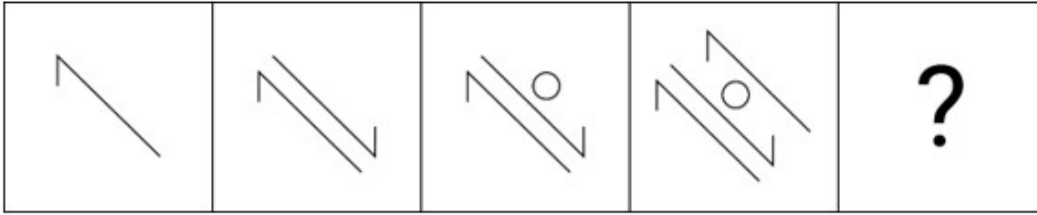
☒ 4. बिल्लियां – फुफकारना

Q.13 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

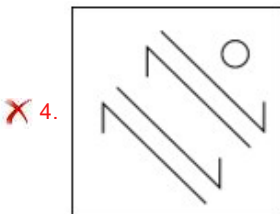
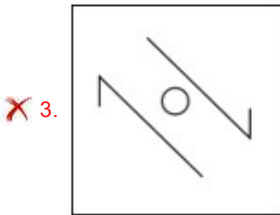
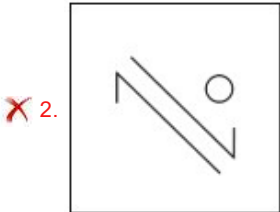
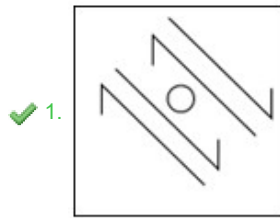
PQRSO TT UV MW V

- Ans
- ☒ 1. TSUX
 - ☒ 2. NTUY
 - ☒ 3. SNUX
 - ☒ 4. XTUS

Q.14 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series?



Ans







Q.15 Choose the alternative which closely resembles the mirror image of the given combination.



- Ans
- ☒ 1. E2UBA
 - ☒ 2. E2UBA
 - ☒ 3. E2UBA
 - ☒ 4. E2UBA

Q.16 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)





Pleasure : Pain

Ans  1. Fast : Quick
 2. Gentle : Brutal
 3. Smart : Intelligent
 4. Angry : Furious

Q.17 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans  1. CWSR
 2. MGCA
 3. KEAY
 4. SMIG

Q.18 In a certain code language,
'P + Q' means 'P is the wife of Q'.
'P - Q' means 'P is the brother of Q'.
'P / Q' means 'P is the son of Q'.
'P × Q' means 'P is the father of Q'.
If 'V / K × T + M × O', then how is K related to O?

Ans  1. Mother's father
 2. Mother
 3. Father's mother
 4. Father

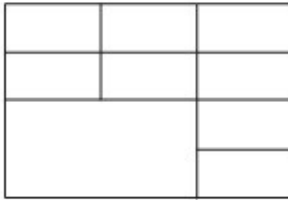
Q.19 If 'T' stands for '+', 'P' stands for '÷', 'Q' stands for '×' and 'R' stands for '-', what will come in place of the question mark (?) in the following equation?
24 T 36 P 48 Q 32 R 40 T 53 = ?

Ans  1. 61
 2. 73
 3. 31
 4. 48

Q.20 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?
26 B 3 C 5 D 120 A 4 = ?

Ans  1. 53
 2. 57
 3. 51
 4. 55

Q.21 How many rectangles are there in the given figure?



Ans ☒ 1. 31

☐ 2. 33

☐ 3. 34

☐ 4. 32

Q.22 What should come in place of the question mark (?) in the given series?

512, 1000, 1728, 2744, 4096, 5832, ?

Ans ☐ 1. 4000

☒ 2. 8000

☐ 3. 9261

☐ 4. 6000

Q.23 In a certain language, 'How are you' is written as 'Co De Ki' and 'You look happy' is written as 'Th De Mo'. How is 'you' written in the given language?

Ans ☐ 1. Ki

☐ 2. Co

☒ 3. De

☐ 4. Mo

Q.24 17 is related to 136 following a certain logic. Following the same logic, 23 is related to 184. To which of the following is 29 related following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/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. 228

☐ 2. 234

☒ 3. 232

☐ 4. 230

Q.25 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:

Some bags are paper.

All wood is paper.

Some bags are dolls.

Conclusion (I): All dolls are paper.

Conclusion (II): Some bags are wood.

Ans ☐ 1. Both conclusions (I) and (II) follow.

☒ 2. Neither conclusion (I) nor (II) follows.

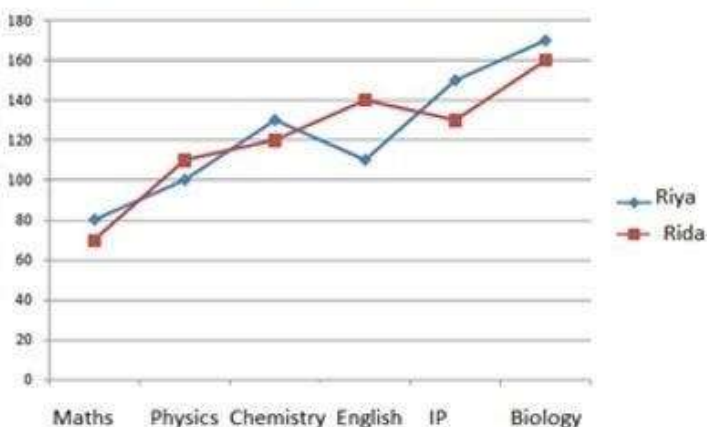
☐ 3. Only conclusion (II) follows.

☐ 4. Only conclusion (I) follows.

Q.1

Study the given graph and answer the question that follows.

The graph shows the marks obtained by Riya and Rida in six subjects in the CBSE 12th exam. The maximum marks in Maths, Physics and Chemistry are 140, and that in English, IP, Biology are 180



What is the percentage of marks obtained by Riya in Chemistry?

Ans

☐ 1. 95.87%

☒ 2. 92.86%

☐ 3. 99.38%

☐ 4. 92.68%

Q.2

Ramu used to spend 72% of his income. His income has increased by 12%, and he increases his expenditure by 5%. If Ramu earlier saved y and after the increases he now saves x , then what is the value of $(\frac{x-y}{y} \times 100)\%$?

Ans

☐ 1. 25%

☐ 2. 22%

☐ 3. 27%

☒ 4. 30%

Q.3

The ratio of the lateral surface area to the total surface area of a cylinder with base diameter 60cm and height 10 cm is:

Ans

☐ 1. 1:9

☐ 2. 1:7

☒ 3. 1:4

☐ 4. 1:3

Q.4

If $\cot \theta = \frac{3}{4}$, θ is an acute angle, then $\sin \theta + \cos \theta - \tan \theta$ is equal

to:

Ans

✗ 1. $\frac{1}{11}$

✓ 2. $\frac{1}{15}$

✗ 3. $\frac{1}{13}$

✗ 4. $\frac{1}{18}$

Q.5

A man bought 4 books for ₹50 each, 5 books for ₹60 each and 6 books for ₹70 each. The average cost of a book for the man is (round up to two decimal places):

Ans

✗ 1. ₹36.33

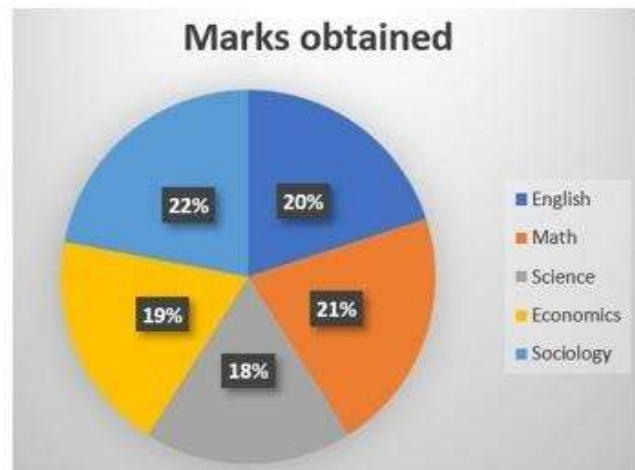
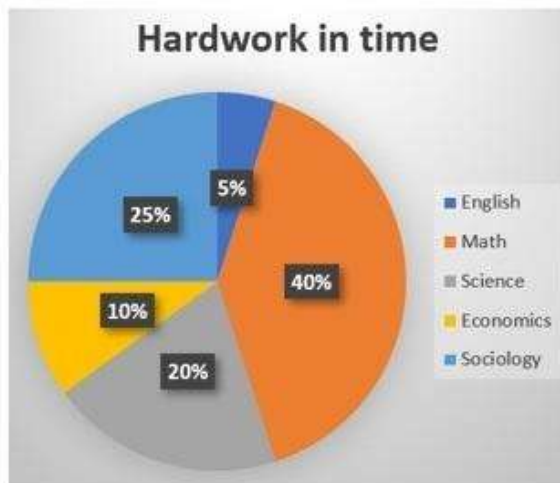
✗ 2. ₹50.33

✓ 3. ₹61.33

✗ 4. ₹60.33

Q.6

A student has 5 subjects in an examination. The distribution of hard work of 16 hours a day over 5 subjects and marks obtained 400 out of 500 are shown in the charts.



How much time did the student spend on Math and how much marks were obtained in math?

Ans

✗ 1. 9.6 hrs and 84 marks

✓ 2. 6.4 hrs and 84 marks

✗ 3. 40 hrs and 21 marks

✗ 4. 6.4 hrs and 90 marks

Q.7 From a circle, a sector with a central angle of 30° is cut off. If the length of the arc of this sector is 5.5 cm, then find the radius (in cm) of the circle.

[Use $\pi = \frac{22}{7}$.]

- Ans**
- ☐ 1. 12
 - ☐ 2. 10
 - ☒ 3. 10.5
 - ☐ 4. 11

Q.8 The following table shows the production of food grains in a country over the five years.

Year	Production (in ten lakh tonnes)			
	Wheat	Rice	Maize	Other grains
2016-17	650	250	200	450
2017-18	800	440	240	400
2018-19	680	390	220	500
2019-20	700	400	260	480
2020-21	640	440	300	520

The difference between the average production (in ten lakh tonnes) of wheat and maize over the years is:

- Ans**
- ☐ 1. 140
 - ☐ 2. 310
 - ☒ 3. 450
 - ☐ 4. 224

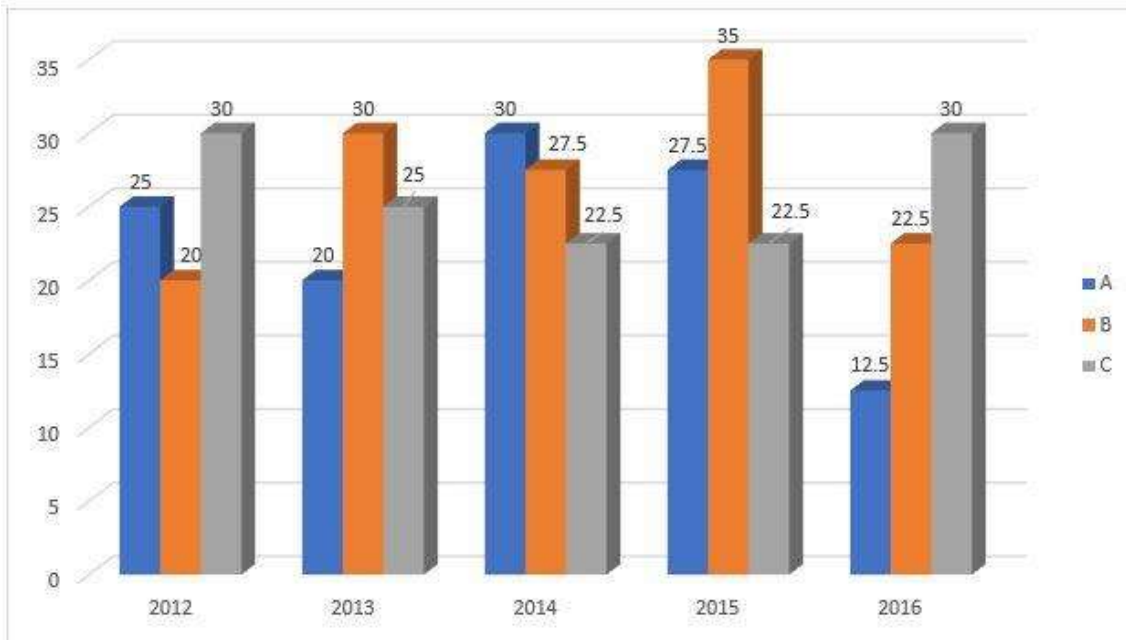
Q.9 For what positive values of k do the following pair of linear equations have infinitely many solutions?

$$kx + 3y - (k - 3) = 0$$

$$12x + ky - k = 0$$

- Ans**
- ☒ 1. 6
 - ☐ 2. 2
 - ☐ 3. 12
 - ☐ 4. 4

Q.10 The following bar graph represents the production of three types of buses by a company over the years (in thousands).



In which of the following years was the percentage production of B type buses to C type buses, the maximum?

- Ans
- ✓ 1. 2015
 - ✗ 2. 2013
 - ✗ 3. 2016
 - ✗ 4. 2014

Q.11 If the price of tea is increased by 40%, by how what percentage must the consumption of tea be decreased so as not to increase the expenditure?

- Ans
- ✗ 1. $15\frac{2}{9}\%$
 - ✗ 2. $31\frac{3}{5}\%$
 - ✗ 3. $35\frac{9}{2}\%$
 - ✓ 4. $28\frac{4}{7}\%$

Q.12 If the height of a solid right circular cylinder is 27 cm and diameter of its base is 30 cm, the total surface area (in cm^2) of the right circular cylinder is:

Take $\pi = \frac{22}{7}$

- Ans
- ✗ 1. 3976
 - ✗ 2. 3964
 - ✗ 3. 3978
 - ✓ 4. 3960

Q.13 Akhil can complete a piece of work in 24 days. Shyam can complete the same piece of work in 12 days. If both of them work together, in how many days can they complete the same piece of work?

- Ans**
- ☐ 1. 12 days
 - ☐ 2. 6 days
 - ☐ 3. 10 days
 - ☒ 4. 8 days

Q.14 An amount of ₹8,000 was invested for 2 years, partly in scheme 1 at the rate of 5% simple interest per annum and the rest in scheme 2 at the rate of 4% simple interest per annum. The total interest received at the end was ₹720. The amount of money invested in scheme 1 is:

- Ans**
- ☐ 1. ₹3,640
 - ☐ 2. ₹7,200
 - ☐ 3. ₹4,400
 - ☒ 4. ₹4,000

Q.15 In a circle, O is the centre and AOB is the diameter. AT is a tangent to the circle. Line TB intersects the circle at Q. Given that $\angle AOQ = 94^\circ$, find $\angle ATQ$.

- Ans**
- ☐ 1. 86°
 - ☒ 2. 43°
 - ☐ 3. 47°
 - ☐ 4. 133°

Q.16 In a 100-m race, A beats B by 20 m and B beats C by 5 m. In the same race, find the distance by which A beats C.

- Ans**
- ☐ 1. 22 m
 - ☒ 2. 24 m
 - ☐ 3. 26 m
 - ☐ 4. 25 m

Q.17 A shopkeeper buys 1800 kg wheat for ₹32,400. If 20% of this wheat is spoiled due to rain, at what rate (₹/kg) should he sell the rest to earn 20%?

- Ans**
- ☐ 1. 29
 - ☐ 2. 26
 - ☐ 3. 25
 - ☒ 4. 27

Q.18 Simplify the given expression.

$$\left[3 \times 6 - 3 \left\{ 2 \left(2 \div \frac{1}{2} - 2 \right) + 2 \div \frac{1}{2} \right\} - 18 \right]$$

- Ans**
- ☐ 1. 24
 - ☐ 2. 18
 - ☒ 3. -24
 - ☐ 4. -18

Q.19 A 35% profit is made when a discount of 35% is given on the marked price of an item. When the discount is 45%, then the profit percentage will be:

- Ans**
- ☐ 1. $17\frac{1}{13}\%$
 - ☐ 2. $11\frac{3}{13}\%$
 - ☒ 3. $14\frac{3}{13}\%$
 - ☐ 4. $13\frac{3}{17}\%$

Q.20 Two parallel chords of length 5 units and 8 units are on opposite sides of the center of a circle of radius 7 units. What is the distance between the chords? (round your answer to two decimal places)

- Ans**
- ☐ 1. 11.82 units
 - ☒ 2. 12.28 units
 - ☐ 3. 11.28 units
 - ☐ 4. 12.82 units

Q.21 In a triangle ABC, AB = AC. BC is extended to D such that CD = AB and the angle ADC is 30°. What are the angles of triangle ABC?

- Ans**
- ☐ 1. 30°, 60°, 90°
 - ☐ 2. 50°, 60°, 70°
 - ☒ 3. 60°, 60°, 60°
 - ☐ 4. 45°, 60°, 75°

Q.22 If the income of Neha is 5% more than that of Monica, then the income of Monica is what percentage less than that of Neha?

- Ans**
- ☐ 1. $4\frac{5}{21}\%$
 - ☐ 2. $4\frac{13}{21}\%$
 - ☐ 3. $4\frac{11}{21}\%$
 - ☒ 4. $4\frac{16}{21}\%$

Q.23 A mixture contains alcohol and water in the ratio of 12 : 5. On adding 14 liters of water, the ratio of alcohol to water becomes 4 : 3. The quantity of alcohol in the mixture is:

- Ans**
- ☐ 1. 18 L
 - ☐ 2. 28 L
 - ☐ 3. 30 L
 - ☒ 4. 42 L

Q.24 What is the smallest number that must be added to 19487161 so that it is divisible by 11?

- Ans**
- ☐ 1. 11
 - ☐ 2. 5
 - ☐ 3. 16
 - ☒ 4. 10

Q.25 3 solid spheres of diameters 6 cm, 8 cm and 10 cm are melted together to form a single solid sphere. Find its radius.

- Ans**
- ☐ 1. 12 cm
 - ☐ 2. 9 cm
 - ☐ 3. 3 cm
 - ☒ 4. 6 cm

Section : General Awareness

Q.1 Which part of the Constitution of India deals with 'Citizenship'?

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

Q.2 In a symport:

- Ans**
- ☐ 1. a molecule moves across a membrane independent of other molecules
 - ☒ 2. both molecules cross the membrane in the same direction
 - ☐ 3. both molecules cross the membrane in the opposite direction
 - ☐ 4. a molecule moves across a membrane dependent of other molecules

Q.3 The Braj festival in _____ is held every year for two days in the Shukla Paksha of the Phalgun month, a few days before Holi.

- Ans**
- ☒ 1. Rajasthan
 - ☐ 2. Himachal Pradesh
 - ☐ 3. Madhya Pradesh
 - ☐ 4. Haryana

Q.4 The Kailasha temple at Ellora near Aurangabad in Maharashtra was built by a king from the ____ Dynasty.

- Ans**
- ☒ 1. Rashtrakuta
 - ☐ 2. Pratihara
 - ☐ 3. Gurjara Pratihara
 - ☐ 4. Chandella

Q.5 Where and when was India's first Senior National Archery Championship held?

- Ans**
- ☒ 1. Delhi, 1973
 - ☐ 2. Chennai, 1973
 - ☐ 3. Chennai, 1975
 - ☐ 4. Delhi, 1975

Q.6 Which of the following persons was sworn in as chief of the Central Information Commission of India in November 2023?

- Ans**
- ☐ 1. Bimal Julka
 - ☐ 2. Yashovardhan Azad
 - ☐ 3. Divya Prakash Sinha
 - ☒ 4. Heeralal Samariya

Q.7 Which of the following committees had recommended the inclusion of a chapter on the Fundamental Duties in the Constitution of India and stressed that the citizens should become conscious that, in addition to the enjoyment of rights, they also have certain duties to perform?

- Ans**
- ☐ 1. Balwant Rai Mehta Committee (1976)
 - ☐ 2. JR Varma Committee (1996)
 - ☐ 3. Ashok Mehta Committee (1977)
 - ☒ 4. Swaran Singh Committee (1976)

Q.8 Which of the following is NOT an alignment option for text in a cell?

- Ans**
- ☒ 1. Center
 - ☒ 2. Right
 - ☒ 3. Justified
 - ☒ 4. Left

Q.9 The Thomas Cup is associated with which of the following sports?

- Ans**
- ☒ 1. Badminton female
 - ☒ 2. Tennis female
 - ☒ 3. Tennis male
 - ☒ 4. Badminton male

Q.10 Which of the following is the most dominant species of the Tropical Deciduous Forests?

- Ans**
- ☒ 1. Mulberry
 - ☒ 2. Rubber
 - ☒ 3. Coconut
 - ☒ 4. Teak

Q.11 Which of the following song did AR Rahman record with Michael Jackson?

- Ans**
- ☒ 1. Ekam Satyam
 - ☒ 2. You are my destiny
 - ☒ 3. The Oracle
 - ☒ 4. Infinity Love

Q.12 _____ is one of the well-known schemes sponsored by the Union Government of India. It was launched in November 2015 with the aim of rescuing the country's ailing electricity distribution companies.

- Ans**
- ☒ 1. Integrated Power Development Scheme (IPDS)
 - ☒ 2. One Nation, One Grid
 - ☒ 3. Deendayal Upadhyaya Gram Jyoti Yojana
 - ☒ 4. Ujwal DISCOM Assurance Yojana

Q.13 Which of the following statements is/are FALSE about the Special Economic Zones (SEZs) of India?

- i. One of the main objectives of the Zones Act was promotion of exports of goods and services.
- ii. The Government of India announced the Special Economic Zones (SEZs) Policy in the year 2011.
- iii. The SEZ Rules provided for different minimum land requirement for different classes of SEZs.

- Ans**
- ☒ 1. Only ii
 - ☒ 2. Only i and ii
 - ☒ 3. Only ii and iii
 - ☒ 4. Only iii

Q.14 Which of the following tribes does NOT live in India?

- Ans**
- ☒ 1. Maasai
 - ☒ 2. Tharu
 - ☒ 3. Gond
 - ☒ 4. Santhal

Q.15 How can we add text to a slide in MS-PowerPoint?

- Ans**
- ☐ 1. Note box
 - ☐ 2. Dialogue box
 - ☐ 3. Notes page
 - ☒ 4. Textbox

Q.16 Who was the first to use the term 'horsepower' that refers to the power produced by an engine?

- Ans**
- ☐ 1. John Dalton
 - ☐ 2. Amedeo Avogadro
 - ☐ 3. Albert Einstein
 - ☒ 4. James Watt

Q.17 Which of the following is NOT a moon of Jupiter?

- Ans**
- ☒ 1. Triton
 - ☐ 2. Callisto
 - ☐ 3. Europa
 - ☐ 4. Ganymede

Q.18 Under the discretionary power of which Article of the Indian Constitution did the SC of India recognise sex work as a profession?

- Ans**
- ☒ 1. Article 142
 - ☐ 2. Article 143
 - ☐ 3. Article 141
 - ☐ 4. Article 140

Q.19 Which of the following pairs of state and folk dance is correctly paired?

- Ans**
- ☒ 1. Punjab – Bhangra dance
 - ☐ 2. Haryana – Garia or Gorla dance
 - ☐ 3. Kerala – Ghoomar dance
 - ☐ 4. Gujarat – Bihu dance

Q.20 On the basis of highest population growth rate (Census, 2011), select the option that arranges the following states in descending order.

A) Bihar
B) Arunachal Pradesh
C) Meghalaya

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

Q.21 Former Union Minister _____ from Manipur was awarded Padma Shri in 2023 by the Union government for his contribution in public affairs in the last four decades.

- Ans**
- ☐ 1. Thokchom Radheshyam Singh
 - ☒ 2. Thounaojam Chaoba
 - ☐ 3. Yumnam Joykumar
 - ☐ 4. Okram Ibobi Singh

Q.22 National income at constant prices means:

- Ans**
- ☐ 1. income estimated for next year prices
 - ☒ 2. income estimated at base year prices
 - ☐ 3. income estimated at current year prices
 - ☐ 4. income estimated at any year prices

Q.23 Who composed the music of the patriotic song 'Maa Tujhe Salaam'?

Ans

-  1. Anu Malik
-  2. Shankar Mahadevan
-  3. Himesh Reshammiya
-  4. AR Rahman

Q.24 Where did the indigenous sport 'Gatka' originate from?

Ans

-  1. Rajasthan
-  2. Manipur
-  3. Punjab
-  4. Jammu and Kashmir

Q.25 The birthday of _____ is celebrated as the International Day of Non-Violence.

Ans

-  1. Bhimrao Ambedkar
-  2. Mahatma Gandhi
-  3. Sardar Vallabhbhai Patel
-  4. Rabindranath Tagore