

Combined Higher Secondary Level Examination 2024 Tier I

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| Venue Name | |
| Exam Date | 10/07/2024 |
| Exam Time | 2:30 PM - 3:30 PM |
| Subject | CHSL Exam 2024 Tier I |

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

I used to eat into / in the evening / when my parents / were on night shifts.

- Ans
- ☒ 1. in the evening
 - ☒ 2. when my parents
 - ☒ 3. I used to eat into
 - ☒ 4. were on night shifts

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

(1) Ganga was (2) out shopping at the mall (3) and ran over (4) her schoolmate.

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

Q.3 Select the option with the correct use of future tense.

- Ans
- ☒ 1. If you work hard in the same manner, you will soon achieve success.
 - ☒ 2. If you worked hard in the same manner, you will soon achieve success.
 - ☒ 3. If you had work hard in the same manner, you will soon achieve success.
 - ☒ 4. If you have work hard in the same manner, you will soon achieve success.

Q.4 The following sentence has been split into four segments. Identify the segment that contains an error.

Shall have / you bring / your note-book / tomorrow?

- Ans
- ☒ 1. tomorrow
 - ☒ 2. your note-book
 - ☒ 3. Shall have
 - ☒ 4. you bring

Comprehension:

In the following passage, some words have been left out. Select the most appropriate option to fill in each blank.

In today's fast-paced and technology-driven world, (1) _____ is crucial to disconnect occasionally for the sake of our health. (2) _____ exposure to screens and the demands of the digital era can lead to stress, anxiety and reduced well-being. Taking time to unplug and engage (3) _____ activities that promote relaxation, such as spending time in nature, (4) _____ hobbies or simply enjoying quality time with loved ones allows us to recharge, find balance and (5) _____ our mental and physical health.

SubQuestion No : 5

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

- Ans ☒ 1. it
☒ 2. this
☒ 3. these
☒ 4. that

Comprehension:

In the following passage, some words have been left out. Select the most appropriate option to fill in each blank.

In today's fast-paced and technology-driven world, (1) _____ is crucial to disconnect occasionally for the sake of our health. (2) _____ exposure to screens and the demands of the digital era can lead to stress, anxiety and reduced well-being. Taking time to unplug and engage (3) _____ activities that promote relaxation, such as spending time in nature, (4) _____ hobbies or simply enjoying quality time with loved ones allows us to recharge, find balance and (5) _____ our mental and physical health.

SubQuestion No : 6

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

- Ans ☒ 1. Redundant
☒ 2. Sporadic
☒ 3. Constant
☒ 4. Interrupted

Comprehension:

In the following passage, some words have been left out. Select the most appropriate option to fill in each blank.

In today's fast-paced and technology-driven world, (1) _____ is crucial to disconnect occasionally for the sake of our health. (2) _____ exposure to screens and the demands of the digital era can lead to stress, anxiety and reduced well-being. Taking time to unplug and engage (3) _____ activities that promote relaxation, such as spending time in nature, (4) _____ hobbies or simply enjoying quality time with loved ones allows us to recharge, find balance and (5) _____ our mental and physical health.

SubQuestion No : 7

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

- Ans ☒ 1. to
☒ 2. for
☒ 3. in
☒ 4. into

Comprehension:

In the following passage, some words have been left out. Select the most appropriate option to fill in each blank.

In today's fast-paced and technology-driven world, (1) _____ is crucial to disconnect occasionally for the sake of our health. (2) _____ exposure to screens and the demands of the digital era can lead to stress, anxiety and reduced well-being. Taking time to unplug and engage (3) _____ activities that promote relaxation, such as spending time in nature, (4) _____ hobbies or simply enjoying quality time with loved ones allows us to recharge, find balance and (5) _____ our mental and physical health.

SubQuestion No : 8

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

- Ans ☒ 1. chasing
☒ 2. pursuing
☒ 3. constructing
☒ 4. trailing

Comprehension:

In the following passage, some words have been left out. Select the most appropriate option to fill in each blank.

In today's fast-paced and technology-driven world, (1) _____ is crucial to disconnect occasionally for the sake of our health. (2) _____ exposure to screens and the demands of the digital era can lead to stress, anxiety and reduced well-being. Taking time to unplug and engage (3) _____ activities that promote relaxation, such as spending time in nature, (4) _____ hobbies or simply enjoying quality time with loved ones allows us to recharge, find balance and (5) _____ our mental and physical health.

SubQuestion No : 9

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

- Ans ☒ 1. precede
☒ 2. prioritise
☒ 3. focus
☒ 4. underscore

Q.10 Complete the given sentence with an appropriate homophone from the given options.
 There was no one _____ a few of my friends.

- Ans ☒ 1. expect
☒ 2. accept
☒ 3. excerpt
☒ 4. except

Q.11 Select the INCORRECTLY spelt word.

- Ans ☒ 1. Haphazard
☒ 2. Circumlocution
☒ 3. Disintegrate
☒ 4. Connoisseur

Q.12 Select the most appropriate option to substitute the underlined segment in the following sentence.
 There was some drawing-pins in my desk.

- Ans ☒ 1. There is some
☒ 2. Theirs some
☒ 3. There has some
☒ 4. There are some

Q.13 Select the most appropriate option to substitute the underlined part of the given sentence.

Mr. Sengupta's complaint to the higher authority was only a red herring.

- Ans ☒ 1. discouraging act
☒ 2. clever bluff
☒ 3. candid confession
☒ 4. fortunate evidence

Q.14 Select the most appropriate ANTONYM of the underlined word in the given sentence.
 The stone was also said to have occult powers.

- Ans ☒ 1. unfathomable
☒ 2. ambiguous
☒ 3. intelligible
☒ 4. latent

Q.15 Select the most appropriate ANTONYM of the given word.

Stoic

- Ans ☒ 1. Tolerant
☒ 2. Fervent
☒ 3. Cooperative
☒ 4. Apathetic

Q.16 Read the given sentence carefully. Change the meaning of the sentence by replacing the underlined word with its ANTONYM from the following options.
 His father warned him not to use vulgar language at home.

- Ans ☒ 1. decorous
☒ 2. licentious
☒ 3. impervious
☒ 4. ribald

Q.17 Choose an appropriate word that can substitute the bracketed word and complete the sentence meaningfully.

Shelley was very happy (while) I accepted her invitation to her birthday party.

- Ans ☒ 1. when
☒ 2. before
☒ 3. after
☒ 4. as

Q.18 Select the most appropriate word to fill in the blank.

He has _____ vision because of his illness.

- Ans ☒ 1. unfocused
☒ 2. blurred
☒ 3. faded
☒ 4. obscured

Q.19 There is a spelling error in the given sentence. Select the option that contains the **INCORRECTLY** spelt word.
The choice of buying a yahct was poor.

- Ans ☒ 1. yahct
☒ 2. buying
☒ 3. poor
☒ 4. choice

Q.20 Select the option that will improve the underlined part of the given sentence.

She's under the allusion that she'll get the job.

- Ans ☒ 1. illusion
☒ 2. vision
☒ 3. hallucination
☒ 4. unreality

Q.21 Select the most appropriate idiom to complete the given sentence.
With the increasing market prices and stagnant salaries, he is _____.

- Ans ☒ 1. beating the rap
☒ 2. taking a break
☒ 3. feeling the pinch
☒ 4. getting it off his chest

Q.22 Select the most appropriate **ANTONYM** of the given word.
Calm

- Ans ☒ 1. Upset
☒ 2. Impressed
☒ 3. Quiet
☒ 4. Urban

Q.23 Select the most appropriate option that can substitute the underlined segment in the given sentence.
The common masses have waited for three hours to meet the king in the royal court.

- Ans ☒ 1. had waiting
☒ 2. will waiting
☒ 3. has been waiting
☒ 4. have been waiting

Q.24 Select the most appropriate option to fill in the blank.
I don't like dirty cars, so you should keep it _____.

- Ans ☒ 1. new
☒ 2. spotless
☒ 3. similar
☒ 4. shabby

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

Absurd

- Ans** ☒ 1. Abstruse
☒ 2. Irrational
☒ 3. Arbitrary
☒ 4. Sudden

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

VOH YPN BQT ? HSF

- Ans** ☒ 1. AXY
☒ 2. ERZ
☒ 3. MOJ
☒ 4. JHI

Q.2 What should come in place of the question mark (?) in the given series?
 160, 187, 216, 247, ?

- Ans** ☒ 1. 280
☒ 2. 290
☒ 3. 208
☒ 4. 209

Q.3 Which of the following numbers will replace the question mark (?) in the given series?
 165 192 227 270 321 ?

- Ans** ☒ 1. 347
☒ 2. 361
☒ 3. 392
☒ 4. 380

Q.4 If 'A' stands for '+', 'B' stands for '-', 'C' stands for 'x' and 'D' stands for '+', what will come in place of the question mark (?) in the following equation?
 36 B 8 A 56 C 49 D 53 = ?

- Ans** ☒ 1. 30
☒ 2. 46
☒ 3. 82
☒ 4. 53

Q.5 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?

| | | | | |
|-------|-------------|-------------------|-------------------------|---|
| @ # + | @ @ # # + + | @ @ @ # # # + + + | @ @ @ @ # # # # + + + + | ? |
|-------|-------------|-------------------|-------------------------|---|

Ans

☒ 1.

@ # #

☒ 2.

+

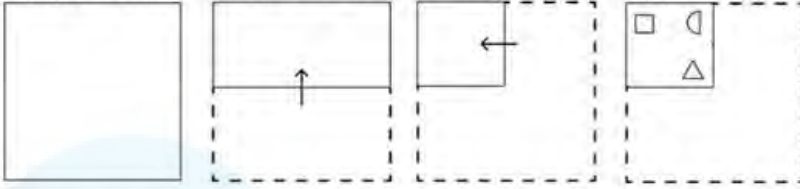
☒ 3.

@ @ @ @ @ # # # # + + + +

☒ 4.

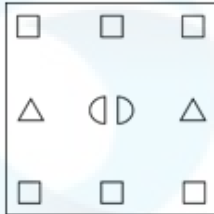
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Q.6 A paper is folded and cut as shown below. How will it appear when unfolded?

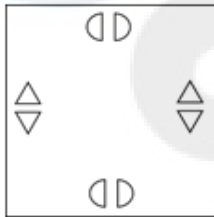


Ans

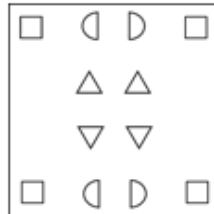
☒ 1.



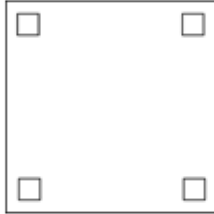
☒ 2.



☒ 3.



☒ 4.



Q.7 'RENT' is related to 'IVMG' in a certain way based on the English alphabetical order. In the same way, 'PAYABLE' is related to 'KZBZYOV'. To which of the following is 'BARGUANDY' related, following the same logic?

Ans ☒ 1. YZITFAMWB

☒ 2. YZITVZMWB

☒ 3. YZITFZMYB

☒ 4. YZITFZMWB

Q.8 In a certain code language, 'my best friend' is written as 'ck rl mk' and 'friend is life' is written as 'rt mp ck'. How is 'friend' written in the given language?

Ans ☒ 1. rt

☒ 2. ck

☒ 3. rl

☒ 4. mk

Q.9 What should come in place of the question mark (?) in the given series?

23, 44, 65, 86, ?, 128

Ans ☒ 1. 107

☒ 2. 109

☒ 3. 103

☒ 4. 105

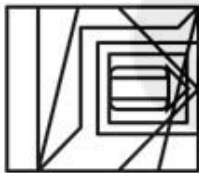
Q.10 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



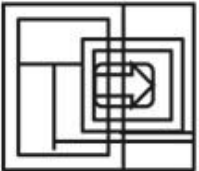
(X)

Ans

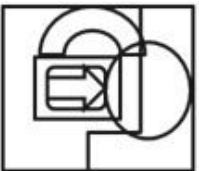
☒ 1.



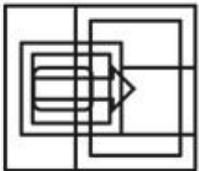
☒ 2.



☒ 3.



☒ 4.



Q.11 The position of how many letters will change if each of the letters in the word SKYLINE is arranged in alphabetical order?

Ans ☒ 1. Seven

☒ 2. Five

☒ 3. Four

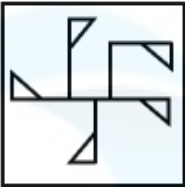
☒ 4. Six

Q.12 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).

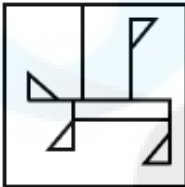


Ans

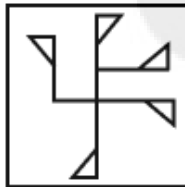
☒ 1.



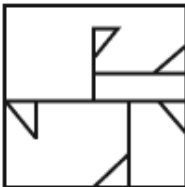
☒ 2.



☒ 3.



☒ 4.



Q.13 What will come in the place of '?' in the following equation, if '×' and '÷' are interchanged?

$$45 \times 9 + 23 - 16 \div 7 = ?$$

Ans ☒ 1. -64

☒ 2. -84

☒ 3. -79

☒ 4. -76

Q.14 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BRK, XUH, TXE, PAB, ?

Ans ☒ 1. LDY

☒ 2. NCX

☒ 3. MDX

☒ 4. MCZ

Q.15 'A – B' means 'A is B's wife'.
 'A + B' means 'A is B's brother'.
 'A × B' means 'A is B's father'.
 'A ÷ B' means 'A is B's sister'.
 Using the same meaning of the mathematical operators as given above, in 'T × X ÷ Y + Z' what is T of Z's ?

Ans ☒ 1. Father

☒ 2. Mother

☒ 3. Son

☒ 4. Brother

Q.16 15 is related to 195 following a certain logic. Following the same logic, 19 is related to 247. To which of the following is 24 related following the same logic?
 (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

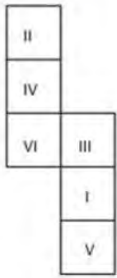
Ans ☒ 1. 312

☒ 2. 300

☒ 3. 322

☒ 4. 332

Q.17 What would be the Roman numeral on the opposite side of 'VI' if the given sheet is folded to form a cube?



Ans ☒ 1. V

☒ 2. I

☒ 3. III

☒ 4. II

Q.18 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

$$5 - 63 \div 9 + 10 \times 6 = ?$$

Ans ☒ 1. 39

☒ 2. 36

☒ 3. 33

☒ 4. 30

Q.19 The position of how many letters will remain unchanged if each of the letters in the word COMPLEXITY is arranged from left to right in alphabetical order?

Ans ☒ 1. Two

☒ 2. One

☒ 3. None

☒ 4. Three

Q.20 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some laptops are computers.

No computer is a robot.

Some robots are humans.

Conclusions:

(I) All humans can never be computers.

(II) Some robots are laptops

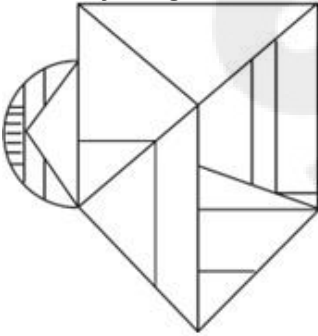
Ans ☒ 1. Both conclusions I and II follow

☒ 2. Only conclusion I follows

☒ 3. Only conclusion II follows

☒ 4. None of the conclusions follow

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



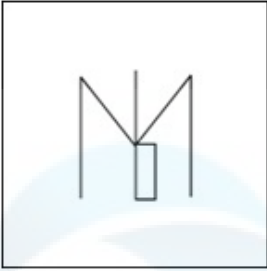
Ans ☒ 1. 11

☒ 2. 10

☒ 3. 13

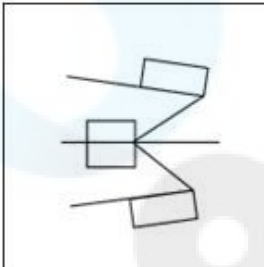
☒ 4. 12

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

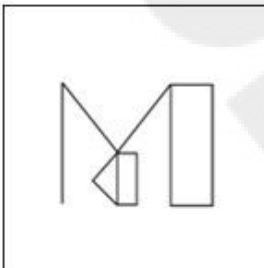


Ans

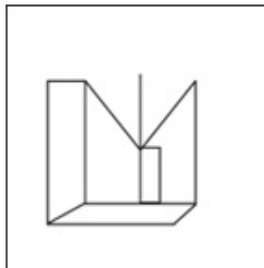
☒ 1.



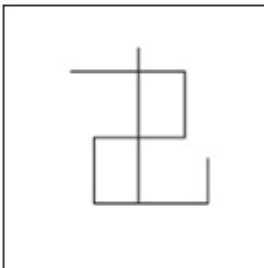
☒ 2.



☒ 3.



☒ 4.



Q.23 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

(84, 28, 7)
(144, 48, 12)

Ans ☒ 1. (160, 60, 15)

☒ 2. (180, 60, 10)

☒ 3. (180, 50, 15)

☒ 4. (180, 60, 15)

Q.24 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)

Conquer : Surrender

- Ans ☒ 1. Unite : Divide
☒ 2. Lively : Vibrant
☒ 3. Gentle : Mild
☒ 4. Rich : Affluent

Q.25 In a certain code language,

'A + B' means 'A is the son of B',
 'A - B' means 'A is the brother of B',
 'A × B' means 'A is the wife of B',
 'A ÷ B' means 'A is the daughter of B'.

Based on the above, how is L related to M if 'L - N ÷ O × M + P'?

- Ans ☒ 1. Father
☒ 2. Brother
☒ 3. Father's father
☒ 4. Son

Q.1 The given chart represents the sales of automobiles in India (by type, in million units) from the year 2011 to 2014. Study the chart and answer the question that follows.



The number of commercial vehicles sold in 2012 was approximately what percentage of the total number of vehicles sold in 2011? (Correct to two decimal places)

- Ans ☒ 1. 3.88%
☒ 2. 5.34%
☒ 3. 4.56%
☒ 4. 6.12%

Q.2 In an election, a candidate secures 40% of the votes, but is defeated by the only other candidate with a majority of 298 votes. Find the total number of votes recorded.

- Ans** ☒ 1. 1,490
☒ 2. 1,290
☒ 3. 1,270
☒ 4. 1,470

Q.3 A certain sum of money amounts to ₹1,860 in 2 years and to ₹2,130 in $3\frac{1}{2}$ years at simple interest. Find the sum and the rate of interest, respectively.

- Ans** ☒ 1. ₹1,500, 12%
☒ 2. ₹1,500, 15%
☒ 3. ₹1,200, 10%
☒ 4. ₹1,200, 12%

Q.4 Total number of students in different subjects of a college and percentage of girls and boys are shown in the below table.

Girls students and boys student are NOT having multiple subjects.

| Subjects | Number of Students | Girls % | Boys % |
|-------------|--------------------|---------|--------|
| Mathematics | 840 | 40 | 60 |
| Chemistry | 220 | 70 | 30 |
| Physics | 450 | 30 | 70 |
| Biology | 200 | 80 | 20 |

What is the ratio of girl students of Mathematics and Chemistry to the number of boy students of Physics and Biology?

- Ans** ☒ 1. 98 : 71
☒ 2. 49 : 39
☒ 3. 61 : 98
☒ 4. 36 : 49

Q.5 Reena and Riya together can complete a piece of work in 36 days. Riya and Geeta together can complete it in 54 days. Reena and Geeta together can complete it in 81 days. In how many days can Reena alone complete the work?

- Ans** ☒ 1. $82\frac{4}{7}$ days
☒ 2. $97\frac{4}{7}$ days
☒ 3. $87\frac{4}{7}$ days
☒ 4. $92\frac{4}{7}$ days

Q.6 Chords AB and CD of a circle, when produced, meet at a point P outside the circle. If AB = 6 cm, CD = 3 cm and PD = 5 cm, then PB is equal to:

- Ans** ☒ 1. 9 cm
☒ 2. 4 cm
☒ 3. 8 cm
☒ 4. 6 cm

Q.7 The value of $[3^3\{(40 \times 5) + (7 \times 6)\} \div 11] + (2^3 \times 15 \div 24)$ is:

- Ans
- ☒ 1. 559
 - ☒ 2. 595
 - ☒ 3. 599
 - ☒ 4. 959

Q.8 The sides AB and AC of $\triangle ABC$ are produced to points D and E, respectively. The bisectors of $\angle CBD$ and $\angle BCE$ meet at P. If $\angle A = 72^\circ$, then the measure of $\angle P$ is:

- Ans
- ☒ 1. 65°
 - ☒ 2. 54°
 - ☒ 3. 55°
 - ☒ 4. 35°

Q.9 Let ABCD be a quadrilateral and AC, BD be diagonals. The length of BD = 20 cm and the heights of the triangles ABD and BCD are, respectively, 6 cm, 8 cm. Find the area of the quadrilateral ABCD (in cm^2).

- Ans
- ☒ 1. 140
 - ☒ 2. 1282
 - ☒ 3. 148
 - ☒ 4. 120

Q.10 The cost of 21 pencils and 9 pens is ₹276, and the cost of 6 pencils and 3 pens is ₹84. The cost of 1 pencil and 1 pen is:

- Ans
- ☒ 1. ₹10
 - ☒ 2. ₹20
 - ☒ 3. ₹30
 - ☒ 4. ₹40

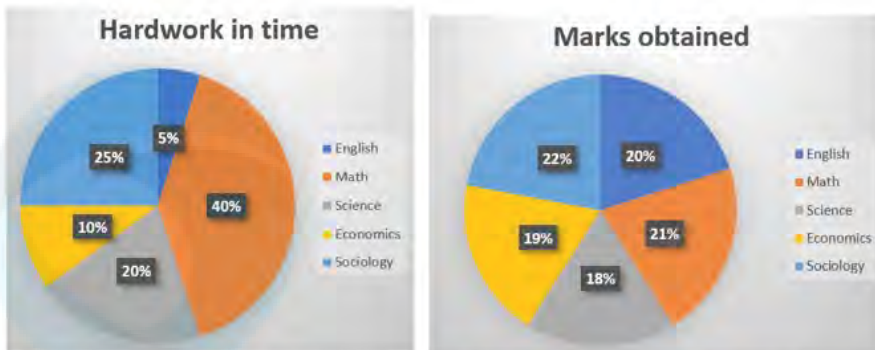
Q.11 Which of the following ratios is greater?

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

Q.12 A cuboid with dimensions 20cm, 12cm, and 10 cm is cut into 8 identical pieces by 3 cuts. What will be the total surface area of all the pieces?

- Ans
- ☒ 1. 2240 cm^2
 - ☒ 2. 1220 cm^2
 - ☒ 3. 3360 cm^2
 - ☒ 4. 1680 cm^2

- Q.13** 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.



In which subject did the student get the highest outcome of the hard work (ratio of marks to hard work is highest)?

- Ans**
- ☒ 1. Math
 - ☒ 2. Science
 - ☒ 3. Economics
 - ☒ 4. English

- Q.14** A merchant sells 195 kg of wheat for ₹10,260 at a profit of ₹4.50 per kg of wheat. What is the cost price (in ₹, to the nearest integer) of 15 kg of wheat?

- Ans**
- ☒ 1. 682
 - ☒ 2. 750
 - ☒ 3. 722
 - ☒ 4. 595

- Q.15** If $4\sin^2\theta - 4\sqrt{3}\sin\theta + 3 = 0$, then find the value of θ . ($0 < \theta < 90^\circ$)

- Ans**
- ☒ 1. 45°
 - ☒ 2. 30°
 - ☒ 3. 60°
 - ☒ 4. 75°

- Q.16** Two numbers are, respectively, 30% and 40% more than the third number. The ratio of the second number to the first number is:

- Ans**
- ☒ 1. 39:42
 - ☒ 2. 14:13
 - ☒ 3. 26:28
 - ☒ 4. 13:14

Q.17 The centres of two circles of radii 20 cm and 32 cm are 60 cm apart. What is the ratio of the length of the direct common tangent to the length of the transverse common tangent to these circles?

- Ans
- ☐ 1. $3\sqrt{7}:\sqrt{3}$
 - ☒ 2. $3\sqrt{3}:\sqrt{7}$
 - ☐ 3. $3\sqrt{2}:\sqrt{7}$
 - ☐ 4. $7\sqrt{3}:3$

Q.18 An article is of size 9 cm × 6 cm × 3 cm. The number of such articles that can be packed in a box measuring 63 cm × 42 cm × 21 cm is:

- Ans
- ☐ 1. 196
 - ☐ 2. 243
 - ☒ 3. 343
 - ☐ 4. 49

Q.19 With a uniform speed, a car covers a distance in 16 hours. Had the speed been increased by 20 km/h, the same distance would have been covered in 12 hours. The total distance covered by the car is:

- Ans
- ☐ 1. 1080 km
 - ☐ 2. 480 km
 - ☐ 3. 720 km
 - ☒ 4. 960 km

Q.20 Due to decrease in manpower, the production in a factory decreases by 25%. By what per cent should the working hours be increased to restore the original production?

- Ans
- ☐ 1. 50%
 - ☐ 2. $43\frac{6}{7}\%$
 - ☒ 3. $33\frac{1}{3}\%$
 - ☐ 4. 25%

Q.21 If $42 \div 3 + k \times 3 - 22 \div 11 + 4 = 28$, then the value of k is:

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

Q.22 A public library has an average attendance of 410 on Sundays and 230 for the remaining days. The average attendance per day of a month of 30 days beginning with Sunday would be:

- Ans
- ☐ 1. 230
 - ☐ 2. 254
 - ☒ 3. 260
 - ☐ 4. 320

Q.23 A coat marked at ₹145 is offered at ₹ 127.6 . The rate of retail discount offered is:

- Ans**
- ☒ 1. 11%
 - ☒ 2. 12%
 - ☒ 3. 13%
 - ☒ 4. 10%

Q.24 The bar graph given below shows the sales of books (in thousands) from five branches of a publishing company during two consecutive years 2015 and 2016.



What percentage (rounded off to 2 decimal places) of the average sales of branches P1, P3 and P5 in 2016 is the average sales of branches P1, P2, P3 and P4 in 2015?

- Ans**
- ☒ 1. 76.53%
 - ☒ 2. 80.12%
 - ☒ 3. 81.21%
 - ☒ 4. 88.15%

Q.25 In a triangle PQR, RS intersects PQ at point S. The sides of the triangle QR = 36 cm, SQ = 27 cm, RS = 18 cm and $\angle QRS = \angle QPR$. What is the ratio of the perimeter of $\triangle PRS$ to that of $\triangle QSR$?

- Ans**
- ☒ 1. $\frac{5}{8}$
 - ☒ 2. $\frac{7}{9}$
 - ☒ 3. $\frac{8}{6}$
 - ☒ 4. $\frac{9}{12}$

Q.1 All historical monuments have signages with instructions that public should not write on the walls.
To which fundamental duty does the given statement belong?

- Ans**
- ☒ 1. To defend the country and render national service
 - ☒ 2. To safeguard public property and to abjure violence
 - ☒ 3. To develop the scientific temper
 - ☒ 4. To promote harmony and spirit of common brotherhood

Q.2 Which non-essential amino acid is synthesised by the hydroxylation of phenylalanine in a reaction catalysed by phenylalanine hydroxylase?

- Ans**
- ☒ 1. Cysteine
 - ☒ 2. Glycine
 - ☒ 3. Tyrosine
 - ☒ 4. Glutamine

Q.3 In July 2021, which state government announced the creation of an independent department to protect and preserve the 'faith, culture and traditions of tribes and indigenous communities' of the state?

- Ans**
- ☒ 1. Uttar Pradesh
 - ☒ 2. Bihar
 - ☒ 3. Karnataka
 - ☒ 4. Assam

Q.4 A proton bonds to the oxygen atom of a solvent water to give a _____ hydronium ion.

- Ans**
- ☒ 1. tetrahedral
 - ☒ 2. square planar
 - ☒ 3. square pyramid
 - ☒ 4. trigonal pyramidal

Q.5 _____ oblong orbit overlaps the orbit of Neptune.

- Ans**
- ☒ 1. Jupiter's
 - ☒ 2. Pluto's
 - ☒ 3. Venus'
 - ☒ 4. Mars'

Q.6 'Lai-Phi' and 'Chin-Phi' are the cultural costumes of which state?

- Ans**
- ☒ 1. Nagaland
 - ☒ 2. Uttarakhand
 - ☒ 3. Manipur
 - ☒ 4. Sikkim

Q.7 In MS Word, which option allows you to copy the selected text or object to the Clipboard while simultaneously removing it from its original location?

- Ans**
- ☒ 1. Copy
 - ☒ 2. Paste
 - ☒ 3. Cut
 - ☒ 4. Drag-and-Drop

Q.8 What is the literacy rate of India as per the National Survey of India-2022?

- Ans ☒ 1. 77.7%
- ☐ 2. 78.3%
- ☐ 3. 72.1%
- ☐ 4. 74.2%

Q.9 Annamacharya composed Sankirtans in praise of which God?

- Ans ☐ 1. Lord Shiva
- ☒ 2. Lord Venkateshwara
- ☐ 3. Lord Rama
- ☐ 4. Lord Krishna

Q.10 Which of the following word sequences is correct as per the Preamble to the Constitution?

- Ans ☒ 1. Sovereign, socialist, secular, democratic, republic
- ☐ 2. Secular, democratic, secular, socialist, sovereign
- ☐ 3. Sovereign, secular, socialist, democratic, republic
- ☐ 4. Socialist, secular, democratic, republic, sovereign

Q.11 What is the impact of proportional taxes?

- Ans ☐ 1. Increases the marginal propensity to consume
- ☒ 2. Reduces the autonomous expenditure multiplier
- ☐ 3. Increases the induced expenditure multiplier
- ☐ 4. Increases the autonomous expenditure multiplier

Q.12 The headquarters of the Indian Institute of Tourism and Travel Management are located at:

- Ans ☐ 1. Guwahati
- ☐ 2. Bhuvneshwar
- ☒ 3. Gwalior
- ☐ 4. New Delhi

Q.13 In which direction is the general elevation of the peninsular plateau of India?

- Ans ☐ 1. From North to South
- ☐ 2. From South to North
- ☒ 3. From West to East
- ☐ 4. From East to West

Q.14 Lakshmbai National College of Physical Education is located at ____.

- Ans ☒ 1. Thiruvananthapuram, Kerala
- ☐ 2. Gwalior, Madhya Pradesh
- ☐ 3. Shahdara, Delhi
- ☐ 4. Patiala, Punjab

Q.15 Match the columns.

List I

- i. National Manufacturing Policy
- ii. Make in India initiative
- iii. Startup India scheme
- iv. Smart City Project

List II

- a. 2014
- b. 2016
- c. 2011
- d. 2015

- Ans
- ☐ 1. i-d, ii-c, iii-a, iv-b
 - ☐ 2. i-c, ii-d, iii-b, iv-a
 - ☐ 3. i-b, ii-a, iii-d, iv-c
 - ☒ 4. i-c, ii-a, iii-b, iv-d

Q.16 Which does social networking service place the biggest emphasis on professional networking?

- Ans
- ☐ 1. Google+
 - ☐ 2. Facebook
 - ☐ 3. Twitter
 - ☒ 4. LinkedIn

Q.17 Where is the largest football stadium in India located?

- Ans
- ☐ 1. New Delhi
 - ☒ 2. Kolkata
 - ☐ 3. Goa
 - ☐ 4. Bengaluru

Q.18 Who invaded India during the rule of Tughlaq Dynasty?

- Ans
- ☒ 1. Timur
 - ☐ 2. Chengiz Khan
 - ☐ 3. Muhammad Ghori
 - ☐ 4. Mahmud of Ghazni

Q.19 Who among the following is a Choreographer in Indian film Industry?

- Ans
- ☐ 1. Arijit Singh
 - ☒ 2. Prabhu Deva
 - ☐ 3. Pritam
 - ☐ 4. Anu Malik

Q.20 What are the standard measurements of a cricket pitch?

- Ans
- ☐ 1. 20 yards by 10 ft
 - ☐ 2. 22 yards by 12 ft
 - ☐ 3. 20 yards by 12 ft
 - ☒ 4. 22 yards by 10 ft

Q.21 Gurmurb is celebrated to commemorate the birthday of Guru Nank dev ji. He was the _____ guru of Sikhs?

- Ans ☒ 1. second
☒ 2. first
☒ 3. fourth
☒ 4. third

Q.22 In April 2022, Chief Justice of India NV Ramana recommended the creation of an “independent umbrella institution”, so as to bring various agencies under one roof”. Which of the following agencies did he suggest be brought under this umbrella?

- Ans ☒ 1. SFIO and CBI
☒ 2. ED and NIA
☒ 3. ED, CBI and SFIO
☒ 4. CBI, SFIO and NIA

Q.23 In which of the following years was the National Anthem adopted in its Hindi version by the Constituent Assembly?

- Ans ☒ 1. 1947
☒ 2. 1950
☒ 3. 1954
☒ 4. 1942

Q.24 Which important event that started in 1930 played a significant role in motivating and mobilizing Indians to join the non-violent movement for independence?

- Ans ☒ 1. Salt Satyagraha
☒ 2. Quit India Movement
☒ 3. Gadar Movement
☒ 4. Swadeshi movement

Q.25 _____ was posthumously conferred the second-highest civilian award in India, the Padma Vibhushan in the field of public affairs in 2023.

- Ans ☒ 1. GMC Balayogi
☒ 2. Mulayam Singh Yadav
☒ 3. Balkrishna Doshi
☒ 4. Dilip Mahalanabis