

Combined Higher Secondary Level Examination 2024 Tier I

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

Section : English Language

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. I used to eat into
 - ☐ 2. when my parents
 - ☐ 3. in the evening
 - ☐ 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. 4
 - ☐ 2. 1
 - ☐ 3. 2
 - ☒ 4. 3

Q.3 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. Shall have
 - ☐ 2. you bring
 - ☐ 3. tomorrow
 - ☐ 4. your note-book

Q.4 Select the option with the correct use of future tense.

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

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. that
 - ☐ 2. this
 - ☐ 3. these
 - ☒ 4. it

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

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

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. constructing
 - ☒ 2. pursuing
 - ☒ 3. chasing
 - ☒ 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. focus
 - ☒ 3. prioritise
 - ☒ 4. underscore

Q.10 Select the most appropriate option to fill in the blank.
I don't like dirty cars, so you should keep it _____.

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

Q.11 Select the most appropriate idiom to complete the given sentence.
With the increasing market prices and stagnant salaries, he is _____.

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

Q.12 Select the most appropriate ANTONYM of the given word.

Stoic

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

Q.13 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The stone was also said to have occult powers.

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

Q.14 Select the INCORRECTLY spelt word.

- Ans**
- ☐ 1. Connoisseur
 - ☐ 2. Circumlocution
 - ☐ 3. Haphazard
 - ☒ 4. Disintigrate

Q.15 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. ribald
 - ☐ 3. impervious
 - ☐ 4. licentious

Q.16 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. hallucination
 - ☐ 3. vision
 - ☐ 4. unreality

Q.17 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. has been waiting
 - ☐ 2. had waiting
 - ☒ 3. have been waiting
 - ☐ 4. will waiting

Q.18 Complete the given sentence with an appropriate homophone from the given options.
There was no one _____ a few of my friends.

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

Q.19 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. as
 - ☐ 3. after
 - ☐ 4. before

Q.20 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. buying
 - ☒ 2. yahct
 - ☐ 3. choice
 - ☐ 4. poor

Q.21 Select the most appropriate synonym of the given word.

Absurd

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

Q.22 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. There has some
 - ☐ 3. Theirs some
 - ☒ 4. There are some

Q.23 Select the most appropriate ANTONYM of the given word.
Calm

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

Q.24 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. candid confession
 - ☒ 2. fortunate evidence
 - ☒ 3. clever bluff
 - ☒ 4. discouraging act

Q.25 Select the most appropriate word to fill in the blank.

He has _____ vision because of his illness.

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

Section : General Intelligence

Q.1 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?

$$36 \text{ B } 8 \text{ A } 56 \text{ C } 49 \text{ D } 53 = ?$$

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

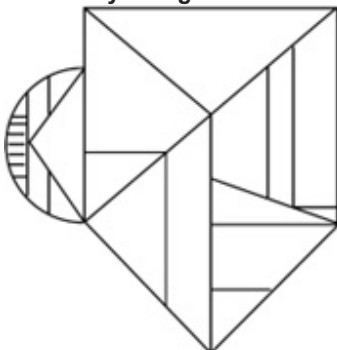
Q.2 The position of how many letters will change if each of the letters in the word SKYLINE is arranged in alphabetical order?

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

Q.3 '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. YZITFZMWB
 - ☒ 4. YZITFZMYB

Q.4 How many triangles are there in the given figure?



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

Q.5 What will come in the place of '?' in the following equation, if '×' and '÷' are interchanged?

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

- Ans**
- ☒ 1. -84
 - ☐ 2. -79
 - ☐ 3. -64
 - ☐ 4. -76

Q.6 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. 322
 - ☐ 2. 332
 - ☐ 3. 300
 - ☒ 4. 312

Q.7 What should come in place of the question mark (?) in the given series?
160, 187, 216, 247, ?

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

Q.8 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's father
 - ☐ 2. Brother
 - ☒ 3. Son
 - ☐ 4. Father

Q.9 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

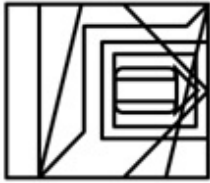
Q.10 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



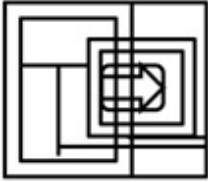
(X)

Ans

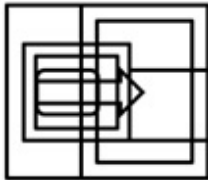
✓ 1.



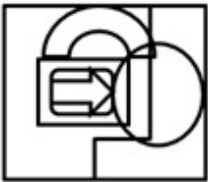
✗ 2.



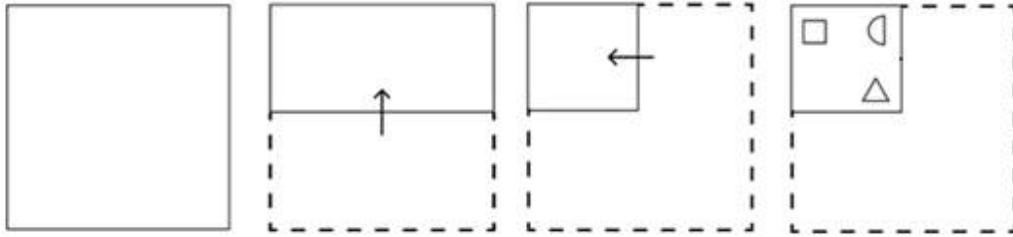
✗ 3.



✗ 4.

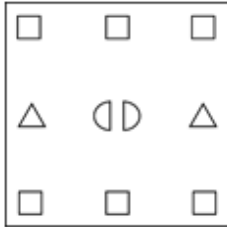


Q.11 A paper is folded and cut as shown below. How will it appear when unfolded?

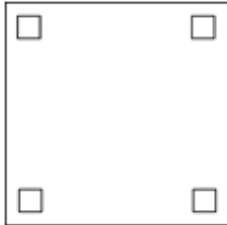


Ans

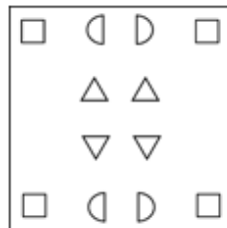
✗ 1.



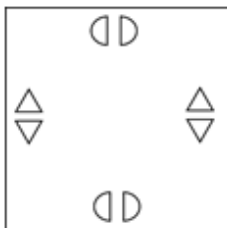
✗ 2.



✓ 3.



✗ 4.

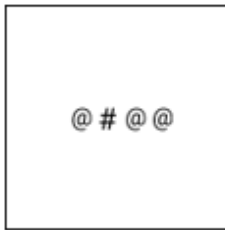


Q.12 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?

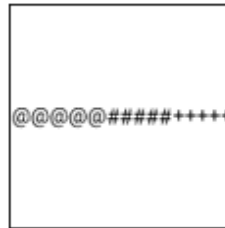
@ # +	@ @ # # ++	@ @ @ # # # +++	@ @ @ @ #####++++	?
-------	------------	-----------------	-------------------	---

Ans

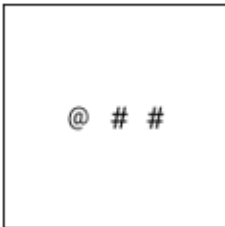
✗ 1.



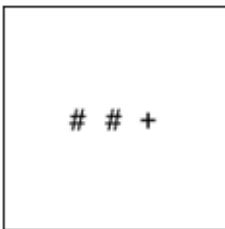
✓ 2.



✗ 3.



✗ 4.



Q.13 What should come in place of the question mark (?) in the given series?

23, 44, 65, 86, ?, 128

Ans ✗ 1. 103

✗ 2. 109

✓ 3. 107

✗ 4. 105

Q.14 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. One

✓ 2. Two

✗ 3. None

✗ 4. Three

Q.15 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. Only conclusion II follows
 2. Only conclusion I follows
 3. Both conclusions I and II follow
 4. None of the conclusions follow

Q.16 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. NCX
 2. MDX
 3. LDY
 4. MCZ

Q.17 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. Lively : Vibrant
 2. Rich : Affluent
 3. Unite : Divide
 4. Gentle : Mild

Q.18 '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. Brother
 2. Son
 3. Mother
 4. Father

Q.19 What should come in place of ? in the given series based on the English alphabetical order?

VOH YPN BQT ? HSF

Ans  1. MOJ
 2. ERZ
 3. AXY
 4. JHI

- Q.20** 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. (180, 50, 15)
 2. (180, 60, 10)
 3. (180, 60, 15)
 4. (160, 60, 15)

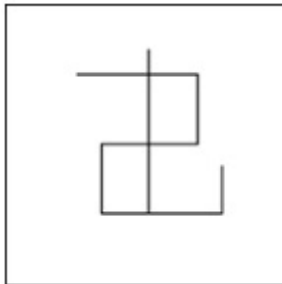
- Q.21** What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '×' and '-' are interchanged?
- $5 - 63 + 9 \div 10 \times 6 = ?$
- Ans**  1. 39
 2. 33
 3. 36
 4. 30

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

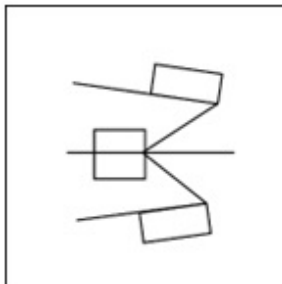


Ans

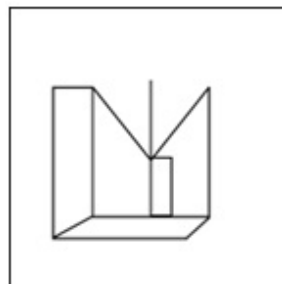
✗ 1.



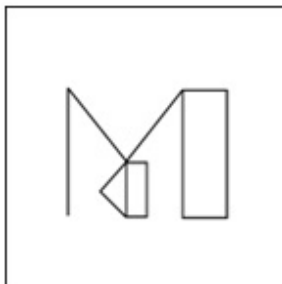
✗ 2.



✓ 3.



✗ 4.



Q.23 Which of the following numbers will replace the question mark (?) in the given series?
165 192 227 270 321 ?

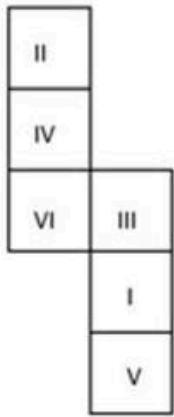
Ans ✗ 1. 347

✗ 2. 361

✓ 3. 380

✗ 4. 392

Q.24 What would be the Roman numeral on the opposite side of 'VI' if the given sheet is folded to form a cube?



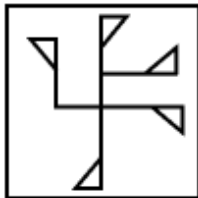
- Ans
- ☒ 1. V
 - ☒ 2. III
 - ☒ 3. I
 - ☒ 4. II

Q.25 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).

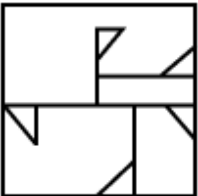


Ans

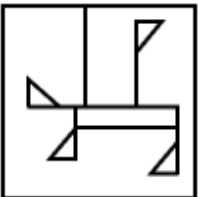
☒ 1.



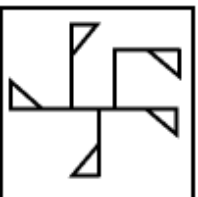
☒ 2.



☒ 3.

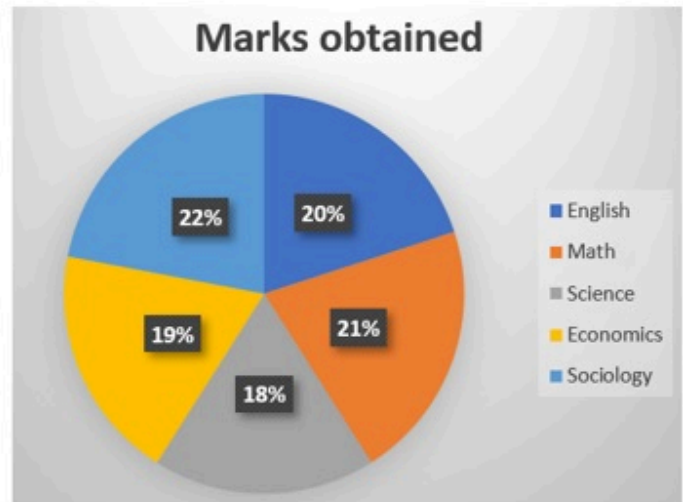
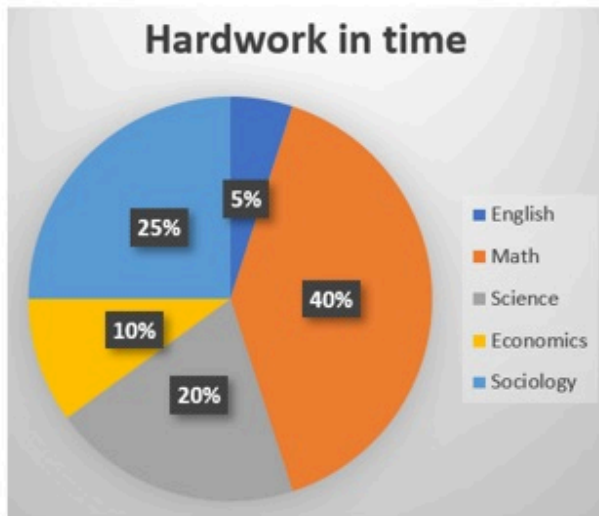


☒ 4.



Q.1

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.



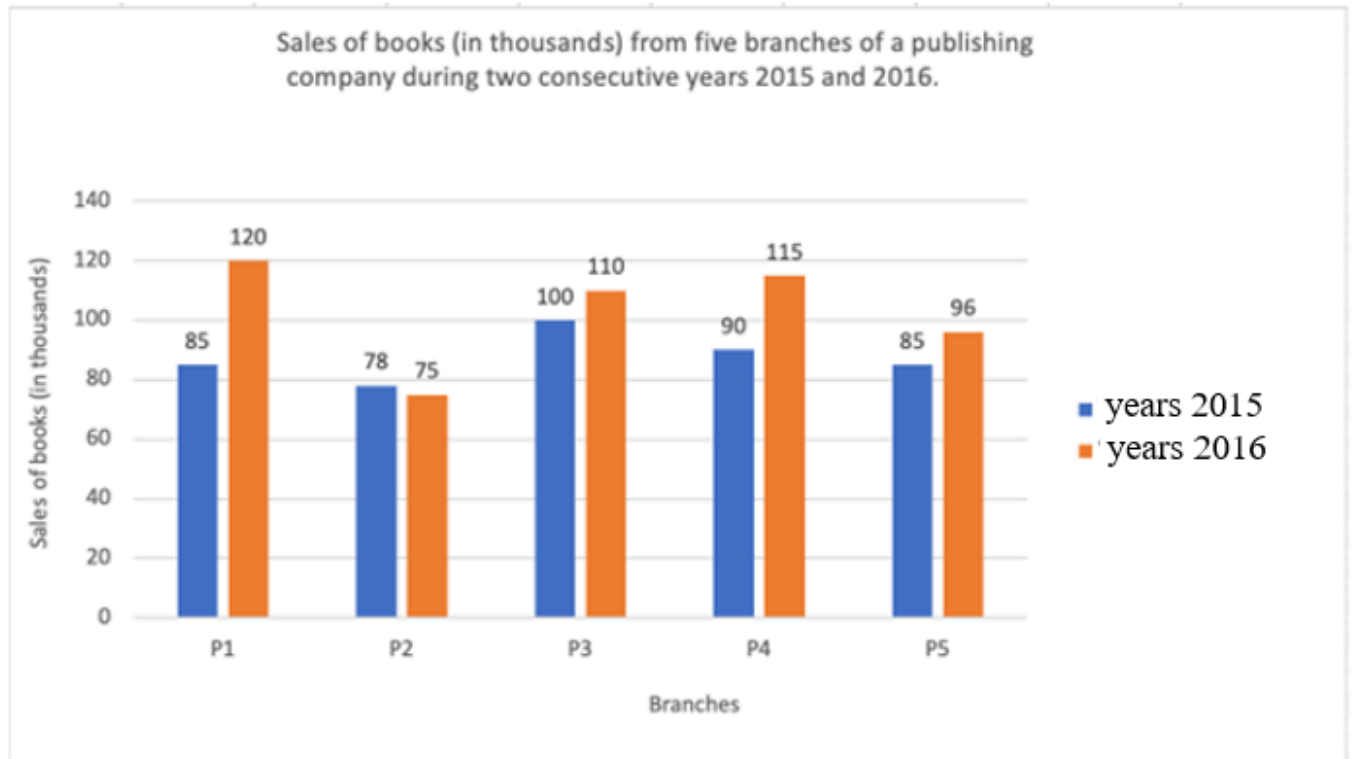
In which subject did the student get the highest outcome of the hard work (ratio of marks to hard work is highest)?

Ans

- ✓ 1. English
- ✗ 2. Math
- ✗ 3. Economics
- ✗ 4. Science

Q.2

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. 88.15%
 - ☒ 2. 76.53%
 - ☒ 3. 81.21%
 - ☒ 4. 80.12%

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

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

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

Q.5 An article is of size $9 \text{ cm} \times 6 \text{ cm} \times 3 \text{ cm}$. The number of such articles that can be packed in a box measuring $63 \text{ cm} \times 42 \text{ cm} \times 21 \text{ cm}$ is:

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

Q.6 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. $87\frac{4}{7}$ days
 - ☐ 3. $97\frac{4}{7}$ days
 - ☒ 4. $92\frac{4}{7}$ days

Q.7 Which of the following ratios is greater?

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

Q.8 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. 120
 - ☐ 3. 148
 - ☐ 4. 1282

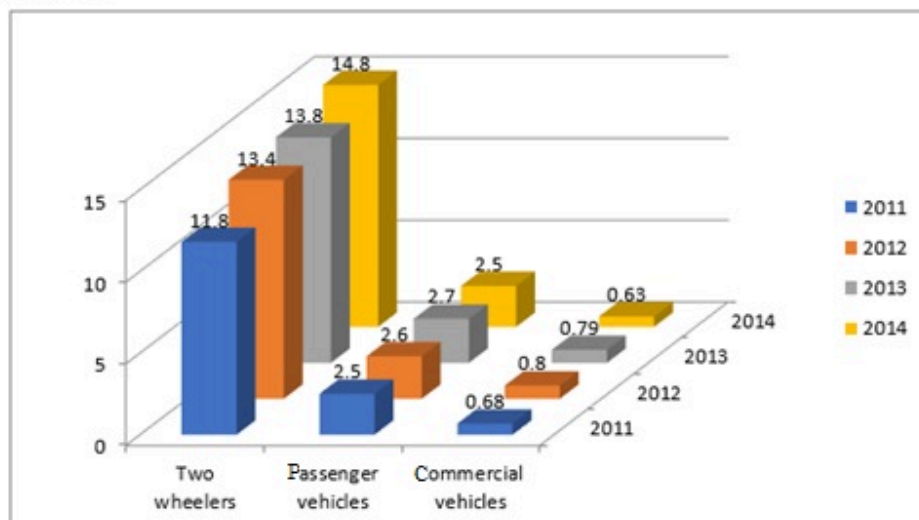
Q.9 Chords AB and CD of a circle, when produced, meet at a point P outside the circle. If AB = 6 cm, CD = 3 cm and PD = 5 cm, then PB is equal to:

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

Q.10 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. ₹1,200, 10%
 - ☐ 3. ₹1,500, 15%
 - ☐ 4. ₹1,200, 12%

- Q.11 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. 6.12%
 - ☒ 2. 5.34%
 - ☒ 3. 4.56%
 - ☒ 4. 3.88%

- Q.12 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. 720 km
 - ☒ 2. 1080 km
 - ☒ 3. 960 km
 - ☒ 4. 480 km

- Q.13 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. $3\sqrt{3}:\sqrt{7}$
 - ☒ 2. $3\sqrt{2}:\sqrt{7}$
 - ☒ 3. $3\sqrt{7}:\sqrt{3}$
 - ☒ 4. $7\sqrt{3}:3$

Q.14 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. $\frac{8}{6}$

☐ 2. $\frac{9}{12}$

☒ 3. $\frac{7}{9}$

☐ 4. $\frac{5}{8}$

Q.15 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. 722

☐ 2. 682

☐ 3. 595

☐ 4. 750

Q.16 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.17 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.18 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. 1,470

☐ 2. 1,270

☒ 3. 1,490

☐ 4. 1,290

Q.19 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. 55°

☐ 2. 65°

☒ 3. 54°

☐ 4. 35°

Q.20 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. ₹20

 2. ₹10

 3. ₹40

 4. ₹30

Q.21 If $4\sin^2\theta - 4\sqrt{3}\sin\theta + 3 = 0$, then find the value of θ . ($0 < \theta < 90^\circ$)

Ans  1. 30°

 2. 75°

 3. 60°

 4. 45°

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. 320

 4. 260

Q.23 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. 25%

 2. 50%

 3. $43\frac{6}{7}\%$

 4. $33\frac{1}{3}\%$

Q.24 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. 26:28

 2. 14:13

 3. 39:42

 4. 13:14

Q.25 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. 49 : 39
 - ☐ 2. 36 : 49
 - ☐ 3. 61 : 98
 - ☒ 4. 98 : 71

Section : General Awareness

Q.1 _____ 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. Dilip Mahalanabis
 - ☒ 3. Mulayam Singh Yadav
 - ☐ 4. Balkrishna Doshi

Q.2 A proton bonds to the oxygen atom of a solvent water to give a _____ hydronium ion.

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

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

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

Q.5 Which does social networking service place the biggest emphasis on professional networking?

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

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. Drag-and-Drop
 - ☐ 2. Paste
 - ☐ 3. Copy
 - ☒ 4. Cut

Q.8 The headquarters of the Indian Institute of Tourism and Travel Management are located at:

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

Q.9 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. ED, CBI and SFIO
 - ☐ 2. SFIO and CBI
 - ☐ 3. ED and NIA
 - ☐ 4. CBI, SFIO and NIA

Q.10 Gurpurab is celebrated to commemorate the birthday of Guru Nank dev ji. He was the _____ guru of Sikhs?

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

Q.11 In which direction is the general elevation of the peninsular plateau of India?

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

Q.12 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 develop the scientific temper
 - ☐ 2. To defend the country and render national service
 - ☐ 3. To promote harmony and spirit of common brotherhood
 - ☒ 4. To safeguard public property and to abjure violence

Q.13 Where is the largest football stadium in India located?

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

Q.14 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. 1942
 - ☐ 4. 1954

Q.15 _____ oblong orbit overlaps the orbit of Neptune.

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

Q.16 Match the columns.

List I	List II
i. National Manufacturing Policy	a. 2014
ii. Make in India initiative	b. 2016
iii. Startup India scheme	c. 2011
iv. Smart City Project	d. 2015

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

Q.17 Lakshmibai National College of Physical Education is located at _____.

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

Q.18 What is the literacy rate of India as per the National Survey of India-2022?

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

Q.19 Which of the following word sequences is correct as per the Preamble to the Constitution?

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

Q.20 Which non-essential amino acid is synthesised by the hydroxylation of phenylalanine in a reaction catalysed by phenylalanine hydroxylase?

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

Q.21 Who invaded India during the rule of Tughlaq Dynasty?

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

Q.22 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.23 Annamacharya composed Sankirtans in praise of which God?

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

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

Q.25 What are the standard measurements of a cricket pitch?

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