

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	01/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I VH

Section : English Language

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

Hard had she / thrown the basketball / when it fell / on the ground.

- Ans**
- ☒ 1. Hard had she
 - ☐ 2. when it fell
 - ☐ 3. thrown the basketball
 - ☐ 4. on the ground

Q.2 Parts of the following sentence have been underlined and given as options. Select the option that contains an error.
If it will rain tomorrow, I will stay at home.

- Ans**
- ☐ 1. I will
 - ☒ 2. will rain
 - ☐ 3. If it
 - ☐ 4. at home

Q.3 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.
She always / likes to / show on / her wealth.

- Ans**
- ☐ 1. she always
 - ☒ 2. show on
 - ☐ 3. her wealth.
 - ☐ 4. likes to

Q.4 Parts of the following sentence have been given as options. Select the option that contains an error.
Ramayana is an ancient Sanskrit epic; it is believed to be written around 500 BC to 100 BC.

- Ans**
- ☒ 1. Ramayana is an ancient
 - ☐ 2. around 500 BC to 100 BC.
 - ☐ 3. Sanskrit epic; it is
 - ☐ 4. believed to be written

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.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) _____ the seeds well and deep. Instead of basing their nationalism or appeals to (2) _____ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they _____ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) _____ a common political and economic programme which (5) _____ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

SubQuestion No : 5

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

- Ans**
- ☐ 1. threw
 - ☐ 2. buried
 - ☒ 3. sowed
 - ☐ 4. scattered

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.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) _____ the seeds well and deep. Instead of basing their nationalism or appeals to (2) _____ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they _____ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) _____ a common political and economic programme which (5) _____ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

SubQuestion No : 6

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

- Ans**
- ☒ 1. deep
 - ☒ 2. shallow
 - ☒ 3. grounded
 - ☒ 4. profound

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.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) _____ the seeds well and deep. Instead of basing their nationalism or appeals to (2) _____ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they _____ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) _____ a common political and economic programme which (5) _____ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

SubQuestion No : 7

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

- Ans**
- ☒ 1. minded
 - ☒ 2. rooted
 - ☒ 3. controlled
 - ☒ 4. drove

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.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) _____ the seeds well and deep. Instead of basing their nationalism or appeals to (2) _____ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they _____ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) _____ a common political and economic programme which (5) _____ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

SubQuestion No : 8

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

- Ans**
- ☒ 1. uprooted
 - ☒ 2. banished
 - ☒ 3. evolved
 - ☒ 4. collapsed

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.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) _____ the seeds well and deep. Instead of basing their nationalism on appeals to (2) _____ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they _____ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) _____ a common political and economic programme which (5) _____ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

SubQuestion No : 9

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

- Ans
- ☒ 1. complicated
 - ☒ 2. classified
 - ☒ 3. united
 - ☒ 4. dissolved

Q.10 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Hygiene
 - ☒ 2. Aquire
 - ☒ 3. Category
 - ☒ 4. Congratulate

Q.11 Select the most appropriate option that can replace the bracketed word segment in the following sentence.
Children should avoid giving out personal details online (which will) identify them or their location.

- Ans
- ☒ 1. which might lead
 - ☒ 2. what will
 - ☒ 3. whichever can
 - ☒ 4. that could

Q.12 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The committee deposed him from his office.

- Ans
- ☒ 1. Promoted
 - ☒ 2. Interacted
 - ☒ 3. Demolished
 - ☒ 4. Segregated

Q.13 Select the most appropriate ANTONYM of the underlined word.
Language interacts with all aspects of human life and society.

- Ans
- ☒ 1. co-operates
 - ☒ 2. intermingles
 - ☒ 3. disconnects
 - ☒ 4. interrelates

Q.14 Select the most appropriate meaning of the given idiom.
At one's fingertips

- Ans
- ☒ 1. To be unaware of something
 - ☒ 2. Out of reach
 - ☒ 3. To have complete knowledge
 - ☒ 4. To take revenge

Q.15 Select the most appropriate option to fill in the blank.

It took 4 hours straight to _____ the deal with the regional company.

- Ans
- ☒ 1. close
 - ☒ 2. get
 - ☒ 3. perform
 - ☒ 4. stop

Q.16 Select the most appropriate meaning of the underlined idiom.

Teja followed his friend's advice so now he is in deep water.

- Ans**
- ☒ 1. In trouble
 - ☐ 2. In deep thoughts
 - ☐ 3. In dilemma
 - ☐ 4. In good position

Q.17 Select the most appropriate ANTONYM of the word 'Defeat' in the given sentence.

The first battle of Panipat was fought on 21 April 1526, where Babur introduced canon warfare and was able to gain victory on Delhi and subjugated sultanate ruler Ibrahim Lodi.

- Ans**
- ☒ 1. victory
 - ☐ 2. warfare
 - ☐ 3. subjugated
 - ☐ 4. gain

Q.18 Select the most appropriate ANTONYM of the underlined word.

The rocky terrain made the hike difficult and strenuous.

- Ans**
- ☒ 1. Easy
 - ☐ 2. Intense
 - ☐ 3. Demanding
 - ☐ 4. Lively

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

The road which connecting the two states is overcrowded.

- Ans**
- ☐ 1. have connected
 - ☒ 2. connects
 - ☐ 3. connected
 - ☐ 4. has connecting

Q.20 Select the most appropriate ANTONYM of the given word.

Beautiful

- Ans**
- ☐ 1. Slimy
 - ☒ 2. Ugly
 - ☐ 3. Stingy
 - ☐ 4. Pungent

Q.21 Select the INCORRECTLY spelt word in the given sentence.

A distinguished academecian, Amartya Sen has taught in India, Britain and the United States.

- Ans**
- ☐ 1. Taught
 - ☒ 2. Academecian
 - ☐ 3. Britain
 - ☐ 4. Distinguished

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

As I have no time to discuss the points, so I wrote a email to her.

- Ans**
- ☐ 1. so I wrote a e-mail to her
 - ☐ 2. I write an email to her
 - ☐ 3. so I wrote an e-mail for her
 - ☒ 4. I wrote an email to her

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

Resistance

- Ans**
- ☐ 1. Reliance
 - ☐ 2. Awareness
 - ☒ 3. Tolerance
 - ☐ 4. Tenderness

Q.24 Select the most appropriate ANTONYM of the underlined word in the given sentence.
Ria is liked by everyone as she is very amicable.

- Ans
- ☐ 1. Hateful
 - ☐ 2. Stupid
 - ☒ 3. Unfriendly
 - ☐ 4. Dangerous

Q.25 Select the option that can be used as a one-word substitute for the given group of words.
Hospital for people with mental illnesses

- Ans
- ☐ 1. Hangar
 - ☐ 2. Shelter
 - ☒ 3. Asylum
 - ☐ 4. Druggist

Section : **General Intelligence**

Q.1 In a certain code language, 'POMP' is coded as 'LLKO' and 'NERD' is coded as 'JBPC'. What is the code for 'MILK' in the given code language?

- Ans
- ☐ 1. DEIK
 - ☒ 2. IFJJ
 - ☐ 3. IGIJ
 - ☐ 4. DFIK

Q.2 If 'Z' stands for '÷', 'Q' stands for '×', 'H' stands for '+' and 'E' stands for '−', what will come in place of the question mark (?) in the following equation?
17 H 23 Q 42 Z 7 E 13 = ?

- Ans
- ☐ 1. 975
 - ☐ 2. 785
 - ☐ 3. 688
 - ☒ 4. 142

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

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

Q.4 If 6 May 2005 is a Friday, then what will the day of the week on 25 September 2018?

- Ans
- ☒ 1. Tuesday
 - ☐ 2. Friday
 - ☐ 3. Thursday
 - ☐ 4. Sunday

Q.5 If 'T' stands for '×', 'M' stands for '+', 'K' stands for '÷' and 'G' stands for '−', what will come in place of the question mark (?) in the following equation?
100 K 5 M 73 T 48 M 56 G 23 = ?

- Ans
- ☐ 1. 3560
 - ☐ 2. 3500
 - ☐ 3. 3575
 - ☒ 4. 3557

Q.6 What should come in place of the question mark (?) in the given series?
33, 60, 87, 114, ?, 168

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

Q.7 In this question, three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

All rings are earrings.

Some rings are chains.

All chains are bangles.

Conclusions:

I. Some rings are bangles.

II. Some earrings are bangles.

III. Some chains are earrings.

- Ans
- ☒ 1. All conclusions I, II and III follow.
 - ☐ 2. Both conclusions I and III follow.
 - ☐ 3. Both conclusions II and III follow.
 - ☐ 4. Both conclusions I and II follow.

Q.8 In a certain code language, 'messages are encrypted' is written as 'tg gc mz' and 'are you coming' is written as 'ze fp mz'. How is 'are' written in the given language?

- Ans
- ☒ 1. mz
 - ☐ 2. fp
 - ☐ 3. gc
 - ☐ 4. ze

Q.9 What should come in place of ? in the given series based on the English alphabetical order?

ZRJ EUK JXL ? TDN

- Ans
- ☐ 1. HST
 - ☐ 2. WNE
 - ☐ 3. QHR
 - ☒ 4. OAM

Q.10 In a certain code language, 'KIOSK' is coded as 'LJRTL' and 'FLAME' is coded as 'GMDNF'. What is the code for 'ENJOY' in the given code language?

- Ans
- ☒ 1. FOMPZ
 - ☐ 2. EMOQY
 - ☐ 3. ENOQZ
 - ☐ 4. GNMRY

Q.11 What will come in the place of '?' in the following equation, if '+' and '÷' are interchanged and '×' and '-' are interchanged?

$$21 + 3 - 7 \div 11 \times 4 = ?$$

- Ans
- ☐ 1. 48
 - ☐ 2. 63
 - ☒ 3. 56
 - ☐ 4. 51

Q.12 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.)
Continue – Interrupt

- Ans**
- ☐ 1. Cow – Buffalo
 - ☐ 2. Connect – Join
 - ☐ 3. Safe – Secure
 - ☒ 4. Attic – Common

Q.13 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)

Hand : Wrist

- Ans**
- ☐ 1. Ear : Hair
 - ☒ 2. Foot : Ankle
 - ☐ 3. Skull : Stomach
 - ☐ 4. Muscle : Bone

Q.14 In a certain code language,
'M & N' means 'M is the husband of N',
'M @ N' means 'M is the daughter of N',
'M \$ N' means 'M is the brother of N',
'M # N' means 'M is the sister of N'.
Based on the above, how is P related to L if 'L # M \$ N @ O & P'?

- Ans**
- ☐ 1. Brother
 - ☒ 2. Mother
 - ☐ 3. Mother's brother
 - ☐ 4. Father

Q.15 11 is related to 55 following a certain logic. Following the same logic, 22 is related to 110. To which of the following is 44 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. 210
 - ☐ 2. 230
 - ☐ 3. 200
 - ☒ 4. 220

Q.16 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '–', then the resultant of which of the following will be 361?

- Ans**
- ☒ 1. 39 B 9 D 75 A 5 C 25
 - ☐ 2. 39 B 9 D 75 C 5 A 25
 - ☐ 3. 39 A 9 D 75 B 5 C 25
 - ☐ 4. 39 B 9 A 75 D 5 C 25

Q.17 Which of the following numbers will replace the question mark (?) in the given series?
54 58.7 64.4 71.1 78.8 ?

- Ans**
- ☐ 1. 85.1
 - ☒ 2. 87.5
 - ☐ 3. 84.4
 - ☐ 4. 86.8

Q.18 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

KJ_HIJKI_JM_EJ_K

Ans  1. IGJO
 2. GIJO
 3. IMKR
 4. KJOM

Q.19 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)
(21, 34, 76)
(39, 26, 104)

Ans  1. (28, 23, 79)
 2. (25, 31, 108)
 3. (37, 43, 127)
 4. (34, 25, 102)

Q.20 Which of the following numbers will replace the question mark (?) in the given series?

100, 52, 28 , ?, 10, 7

Ans  1. 16
 2. 22
 3. 18
 4. 14

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

162, 167, 172, 177, 182, ?

Ans  1. 186
 2. 188
 3. 185
 4. 187

Q.22 If 15 December 2006 is a Friday, then what will the day of the week on 13 October 2009?

Ans  1. Tuesday
 2. Monday
 3. Saturday
 4. Friday

Q.23 'Q + R' means 'Q is the father of R'
'Q – R' means 'Q is the wife of R'
'Q × R' means 'Q is the brother of R'
'Q ÷ R' means 'Q is the daughter of R'.
What does ' M – N + O' mean?

Ans  1. M is the mother of O
 2. M is the brother of O
 3. M is the daughter of O
 4. M is the father of O

Q.24 If 4 June 1999 is a Friday, then what will the day of the week on 7 September 2005?

Ans  1. Wednesday
 2. Friday
 3. Sunday
 4. Tuesday

Q.25 Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☐ 1. LIF
 - ☐ 2. WTQ
 - ☒ 3. QNL
 - ☐ 4. ROL

Section : **Quantitative Aptitude**

Q.1 Which of the following 4 options is the value of the following numeric expression.

$$40\frac{1}{2} - \left[13\frac{1}{2} - \left\{ 9 - \left(6 - 1\frac{1}{2} \right) \right\} \right]$$

- Ans
- ☒ 1. $31\frac{1}{2}$
 - ☐ 2. $21\frac{1}{2}$
 - ☐ 3. $25\frac{1}{2}$
 - ☐ 4. $27\frac{1}{2}$

Q.2 What is the value of the following expression?

$$\frac{4}{7} \times 4\frac{1}{2} \div 5\frac{1}{3} \text{ of } 2\frac{1}{2} - \left(7\frac{7}{8} \div 5\frac{1}{9} \text{ of } 9\frac{9}{20} \right) + \frac{1}{2}$$

- Ans
- ☐ 1. $\frac{1093}{111}$
 - ☐ 2. $\frac{1759}{3250}$
 - ☐ 3. $\frac{1113}{856}$
 - ☒ 4. $\frac{853}{1610}$

Q.3 The age of the older of two boys is thrice that of the younger. 9 years ago it was five times that of the younger. Find the present age of each.

- Ans
- ☐ 1. 15 years, 45 years
 - ☒ 2. 18 years, 54 years
 - ☐ 3. 17 years, 51 years
 - ☐ 4. 12 years, 36 years

Q.4 Three persons ran for office and got, 1136, 7636 and 11628 votes, respectively. What was the winning candidate's percentage of the total votes?

- Ans
- ☐ 1. 61%
 - ☐ 2. 52%
 - ☒ 3. 57%
 - ☐ 4. 59%

Q.5 In a ΔABC , two medians AD and BE intersect at G at right angles. If AD = 18 cm and BE = 12 cm, then the length of BD is equal to:

- Ans
- ☐ 1. 8 cm
 - ☐ 2. 20 cm
 - ☐ 3. 15 cm
 - ☒ 4. 10 cm

Q.6 The respective ratio between numerical values of the curved surface area and the volume of a right circular cylinder is 2 : 3. If the respective ratio between the radius and the height of the cylinder is 3 : 7, what is the total surface area of the cylinder?

- Ans
- ☐ 1. $45\pi \text{ cm}^2$
 - ☐ 2. $65\pi \text{ cm}^2$
 - ☐ 3. $62\pi \text{ cm}^2$
 - ☒ 4. $60\pi \text{ cm}^2$

Q.7 A person drives 110 miles at 55 miles per hour, he drives the next 120 miles at 60 miles per hour, and then he drives the next 60 miles in an hour. What is his average speed for the entire journey in miles per hour ?

- Ans
- ☐ 1. 60
 - ☐ 2. 55
 - ☐ 3. 63
 - ☒ 4. 58

Q.8 Ravi sells his goods at a 25% loss on cost price but uses 45% less weight. What is his percentage profit or loss?

- Ans
- ☐ 1. Loss, $47\frac{9}{10}\%$
 - ☐ 2. Loss, $36\frac{4}{11}\%$
 - ☐ 3. Profit, $47\frac{9}{10}\%$
 - ☒ 4. Profit, $36\frac{4}{11}\%$

Q.9 In ΔPQR , $ST \parallel QR$, PS : SQ = 4 : 7, then find the ratio of the area of triangle PST to the quadrilateral QRTS.

- Ans
- ☐ 1. $\frac{16}{121}$
 - ☐ 2. $\frac{4}{105}$
 - ☒ 3. $\frac{16}{105}$
 - ☐ 4. $\frac{4}{121}$

Q.10 PQ is a diameter of a circle with centre O. The tangents at R meets PQ produced at A. If $\angle RPQ = 27^\circ$, then measure of $\angle RQP$ is:

- Ans
- ☒ 1. 63°
 - ☐ 2. 54°
 - ☐ 3. 153°
 - ☐ 4. 27°

Q.11 The price of an electric bike was ₹1,25,000 last year. This year, its price got decreased by 30%. What is the price (in ₹) of the electric bike this year?

- Ans
- ☐ 1. 86,500
 - ☒ 2. 87,500
 - ☐ 3. 86,000
 - ☐ 4. 87,000

Q.12 Seats for Engineering, Management and Science in a University are in the ratio 7 : 8: 9 . There is a proposal to increase these seats by 20%, 30% and 60%, respectively. What will be the ratio of the increased seats?

- Ans
- ☐ 1. 23:25:27
 - ☐ 2. 17:19:21
 - ☒ 3. 21:26:36
 - ☐ 4. 8:9:11

Q.13 If $\sin\theta = \frac{2xy}{x^2+y^2}$, then the value of $\tan\theta$ is:

- Ans
- ☐ 1. $\frac{x^2 + y^2}{x^2 - y^2}$
 - ☒ 2. $\frac{2xy}{x^2 - y^2}$
 - ☐ 3. $\frac{x^2 - y^2}{x^2 + y^2}$
 - ☐ 4. $\frac{x^2 - y^2}{2xy}$

Q.14 In a circle, ABCD is a cyclic quadrilateral in which AE is drawn parallel to CD, and BA is produced to F. If $\angle ABC = 85^\circ$ and $\angle FAE = 24^\circ$, find the value of $\angle BCD$.

- Ans
- ☒ 1. 119°
 - ☐ 2. 115°
 - ☐ 3. 125°
 - ☐ 4. 124°

Q.15 If $2^3 : 8^{5.06} :: 8^{-4.06} : x$, find the value of x.

- Ans
- ☐ 1. $\frac{1}{2^3}$
 - ☐ 2. 2^3
 - ☐ 3. 0
 - ☒ 4. 1

Q.16 Two circles touch each other at a point O. AB is a simple common tangent to both the circles touching at point A and point B. If radii of the circles are 9 cm and 4 cm, then find AB.

- Ans
- ☐ 1. 144 cm
 - ☒ 2. 12 cm
 - ☐ 3. 72 cm
 - ☐ 4. 24 cm

Q.17 If 18 toys out of 75 toys are for boys and the rest are for girls, what is the percentage of girls toys?

- Ans**
- ☐ 1. 67%
 - ☒ 2. 76%
 - ☐ 3. 57%
 - ☐ 4. 18%

Q.18 The surface areas of two spheres are in the ratio 25 : 36. What is the ratio of their volumes?

- Ans**
- ☐ 1. $\frac{36}{125}$
 - ☐ 2. $\frac{25}{36}$
 - ☐ 3. $\frac{36}{115}$
 - ☒ 4. $\frac{125}{216}$

Q.19 Find the number when successively divided by 3, 5 and 7 leaves remainder 2, 1 and 3, respectively, and the last quotient is 3.

- Ans**
- ☒ 1. 365
 - ☐ 2. 367
 - ☐ 3. 362
 - ☐ 4. 360

Q.20 A person loses 80% of his money in the first bet, 80% of the remaining in the second and 80% of the remaining in the third bet, he is then left with ₹200. How much money (in ₹) was with him before the first bet?

- Ans**
- ☒ 1. 25000
 - ☐ 2. 20000
 - ☐ 3. 40000
 - ☐ 4. 30000

Q.21 Reshma took a loan of ₹12,00,000 with simple interest for as many years as the rate of interest. If she paid ₹9,72,000 as interest at the end of the loan period, what was the rate of interest per annum ?

- Ans**
- ☐ 1. 8.7%
 - ☐ 2. 8%
 - ☐ 3. 7.5%
 - ☒ 4. 9%

Q.22 A and B can do a piece of work in eight days and B alone can do it in 16 days. In how many days, can A do it alone?

- Ans**
- ☐ 1. 24 days
 - ☐ 2. 18 days
 - ☐ 3. 10 days
 - ☒ 4. 16 days

Q.23 Ram travelled an equal distance with the speed of 40 km/hr, 45 km/hr and 60 km/hr. What is the average speed of Ram during the whole journey? Correct to two decimal places.

- Ans**
- ☒ 1. 46.96 km/hr
 - ☐ 2. 66.94 km/hr
 - ☐ 3. 64.96 km/hr
 - ☐ 4. 94.66 km/hr

Q.24 The value of $\left(\frac{7+8 \times 7 \div 8+7 \div 7 \div 7}{3+3 \times 3 \div 3+5 \div 5 \div 5}\right)$ is :

- Ans
- ☒ 1. $2 \frac{61}{217}$
 - ☐ 2. $1 \frac{81}{217}$
 - ☐ 3. $3 \frac{27}{217}$
 - ☐ 4. $1 \frac{31}{217}$

Q.25 The sides of a cuboid are in the ratio 3 : 4 : 5 and its surface area is equal to the surface area of the cube with side 6 units. What is the approximate volume of the cuboid?

- Ans
- ☒ 1. 210
 - ☐ 2. 150
 - ☐ 3. 240
 - ☐ 4. 180

Section : **General Awareness**

Q.1 In the given main characteristics of farming which is NOT a characteristic of the Indian commercial farming?

- Ans
- ☐ 1. Chemical fertilisers
 - ☐ 2. High yielding variety seeds
 - ☐ 3. Insecticides and pesticides
 - ☒ 4. Slash and burn

Q.2 सूर्य से पृथ्वी की दूरी की केवल 2.8 गुना दूरी पर परिक्रमा करने वाला अब तक का सबसे निकटतम बौना ग्रह कौन-सा है?

- Ans
- ☐ 1. इरिस (Eris)
 - ☒ 2. सीरीस (Ceres)
 - ☐ 3. मेकमेक (Makemake)
 - ☐ 4. प्लूटो (Pluto)

Q.3 According to the National Crime Records Bureau data, from 2016 to 2019, suicide cases due to unemployment have increased by _____.

- Ans
- ☐ 1. 20%
 - ☐ 2. 18%
 - ☐ 3. 21%
 - ☒ 4. 24%

Q.4 When was the Swarnajayanti Gram Swarozgar Yojana (SGSY) launched by the Government of India?

- Ans
- ☐ 1. 1995
 - ☐ 2. 1991
 - ☒ 3. 1999
 - ☐ 4. 2000

Q.5 Which power were the Badami (or Vatapi) Chalukyas originally subjects of?

- Ans
- ☐ 1. Pallavas
 - ☒ 2. Kadambas
 - ☐ 3. Hoysalas
 - ☐ 4. Pandyas

Q.6 Which of the following is NOT one of the main pillars of the 'Namami Gange Programme', launched by the Government of India in 2014?

- Ans
- ☐ 1. River-Front Development
 - ☐ 2. Industrial Effluent Monitoring
 - ☒ 3. River Linkage Development
 - ☐ 4. Sewerage Treatment Infrastructure

Q.7 Who was the chief coordinator for the G20 summit which held in India in 2023?

- Ans**
- ☐ 1. Vijay Gokhale
 - ☒ 2. Harsh Vardhan Shringla
 - ☐ 3. S Jaishankar
 - ☐ 4. Vinay Kwatra

Q.8 Which of the following parts of the Indian Constitution is described as the 'Magna Carta of India'?

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

Q.9 Nehru Institute of Mountaineering is located at _____.

- Ans**
- ☐ 1. Himachal Pradesh
 - ☒ 2. Uttarakhand
 - ☐ 3. Leh
 - ☐ 4. Jammu and Kashmir

Q.10 Which of the following is NOT a stringed instrument?

- Ans**
- ☒ 1. Flute
 - ☐ 2. Violin
 - ☐ 3. Guitar
 - ☐ 4. Mandolin

Q.11 According to Global Multidimensional poverty index (2022), which of the following groups of states is included in top 10 poorest states of India?

- Ans**
- ☐ 1. Manipur and Nagaland
 - ☒ 2. Meghalaya and Madhya Pradesh
 - ☐ 3. Karnataka and Tamil Nadu
 - ☐ 4. Punjab and Gujarat

Q.12 Which of the following statements about eutrophication is correct?

- Ans**
- ☐ 1. It happens when too much carbon enriches the water, causing excessive growth of bacteria and reduced growth of plants.
 - ☐ 2. It is a beneficial process for environment restoration.
 - ☒ 3. It happens when too much nitrogen enriches the water, causing excessive growth of plants and algae.
 - ☐ 4. It happens when too less nitrogen is present in the water, causing reduced growth of plants and algae.

Q.13 Mohammad Yunus established which of the following banks in 1983?

- Ans**
- ☐ 1. Union Bank
 - ☐ 2. State Bank
 - ☒ 3. Grameen Bank
 - ☐ 4. Indian Bank

Q.14 ICC World Cup (cricket) 2023 was hosted by _____.

- Ans**
- ☐ 1. India and Bangladesh
 - ☒ 2. India
 - ☐ 3. India, Sri Lanka and Bangladesh
 - ☐ 4. India and Sri Lanka

Q.15 'Hampi Utsava,' which is celebrated in Karnataka, is also called _____. The festival that captures the pomp, splendour and glory of the historical period of Karnataka is celebrated over a week.

- Ans**
- ☒ 1. Vijaya Utsava
 - ☐ 2. Nritya Mahotsav
 - ☐ 3. Sarhul Mahotsava
 - ☐ 4. Rajasi Utsava

Q.16 Who among the followings won gold at the International Shooting Sport Federation (ISSF) junior world cup 2023?

- Ans**
- ☐ 1. Umamahesh Maddineni
 - ☐ 2. Mahesh Pasupathy Anandakumar
 - ☒ 3. Dhanush Srikanth
 - ☐ 4. Rajkanwar Singh Sandhu

Q.17 In which year did Robert Brown observe the zigzag movement of colloidal particles in solution?

- Ans**
- ☐ 1. 1829
 - ☐ 2. 1828
 - ☒ 3. 1827
 - ☐ 4. 1826

Q.18 Which of the following are needed for Skype to function on a computer?

- 1) A web cam
2) A microphone
3) A speaker

- Ans**
- ☐ 1. Only 1 and 3
 - ☒ 2. 1, 2 and 3
 - ☐ 3. Only 2 and 3
 - ☐ 4. Only 1 and 2

Q.19 Which of the following dances developed in the monasteries of Assam?

- Ans**
- ☐ 1. Kathak
 - ☐ 2. Kuchipudi
 - ☒ 3. Sattriya
 - ☐ 4. Bharatanatyam

Q.20 _____ is one of the first criticism of the caste system written by Mahatma Phule and published in the year 1873.

- Ans**
- ☐ 1. Gulami Ki Kahani
 - ☐ 2. Bharat Mein Jaati Evam Prajaati
 - ☐ 3. Jati ka Unmoolan
 - ☒ 4. Gulamgiri

Q.21 In year 2023, the Government of India launched which of the following schemes to bring Indian-origin researchers to higher educational institutions in the country?

- Ans**
- ☐ 1. VAPSI
 - ☐ 2. AMANTRAN
 - ☒ 3. VAIBHAV
 - ☐ 4. SEEKHO

Q.22 Which of the following statements is correct about the Five-Year Plan?

- Ans**
- ☐ 1. All Five-Year Plans have equal rates of growth.
 - ☐ 2. The Planning Commission was constituted in 1951.
 - ☒ 3. The first Five-Year Plan was started in 1951.
 - ☐ 4. The President was the ex-officio chairperson of the Planning Commission.

Q.23 The default width of a column in MS-Excel is:

- Ans**
-  1. 7 characters
 -  2. 9 characters
 -  3. 6 characters
 -  4. 8 characters

Q.24 On 26 January 1950 India became:

- Ans**
-  1. a socialist and secular state
 -  2. a sovereign, democratic, republic state
 -  3. an independent state
 -  4. a unitary state

Q.25 The song 'Teri mitti' is from which of the following movies?

- Ans**
-  1. Kesari
 -  2. Jai Ho
 -  3. Satya Mev Jayte
 -  4. Rajniti

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	02/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I VH

Section : English Language

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
Since the little girl answers / a few simple questions, / her parents say that / she is too intelligent.

- Ans**
- ☒ 1. she is too intelligent
 - ☐ 2. Since the little girl answers
 - ☐ 3. a few simple questions
 - ☐ 4. her parents say that

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

It is difficult to live in / the societal expectations / when one has / fewer resources.

A B C D

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

Q.3 The following sentence has been divided into four segments. Identify the segment that contains an error in the usage of indefinite articles.

We took / an ice / and applied it on / the wound.

- Ans**
- ☐ 1. the wound.
 - ☒ 2. an ice
 - ☐ 3. We took
 - ☐ 4. and applied it on

Q.4 Select the option that corrects the following sentence.

What are you looking around?

- Ans**
- ☐ 1. What are you looking among?
 - ☐ 2. What are you looking across?
 - ☒ 3. What are you looking for?
 - ☐ 4. What are you looking through?

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.

Cities are the great havens for knowledge, culture, and social life. Vibrant cultures are found in cities because it takes a 1. _____ population to support museums, concert halls, sports teams, and night-life districts. Cities also offer rich social opportunities. People in rural areas enjoy only limited social opportunities because 2. _____ the small local population. City dwellers can choose their friends and mates from among a large number of people of 3. _____ interests and inclinations. We are not likely to abandon the city as a 4. _____ institution, but we need to make sure that our transport arrangements do not 5. _____ the 'city's' other functions.

SubQuestion No : 5

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

- Ans**
- ☒ 1. large
 - ☐ 2. small
 - ☐ 3. lazy
 - ☐ 4. dumb

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.

Cities are the great havens for knowledge, culture, and social life. Vibrant cultures are found in cities because it takes a 1. _____ population to support museums, concert halls, sports teams, and night-life districts. Cities also offer rich social opportunities. People in rural areas enjoy only limited social opportunities because 2. _____ the small local population. City dwellers can choose their friends and mates from among a large number of people of 3. _____ interests and inclinations. We are not likely to abandon the city as a 4. _____ institution, but we need to make sure that our transport arrangements do not 5. _____ the 'city's' other functions.

SubQuestion No : 6

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

- Ans**
- ☒ 1. for
 - ☒ 2. off
 - ☒ 3. with
 - ☒ 4. of

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.

Cities are the great havens for knowledge, culture, and social life. Vibrant cultures are found in cities because it takes a 1. _____ population to support museums, concert halls, sports teams, and night-life districts. Cities also offer rich social opportunities. People in rural areas enjoy only limited social opportunities because 2. _____ the small local population. City dwellers can choose their friends and mates from among a large number of people of 3. _____ interests and inclinations. We are not likely to abandon the city as a 4. _____ institution, but we need to make sure that our transport arrangements do not 5. _____ the 'city's' other functions.

SubQuestion No : 7

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

- Ans**
- ☒ 1. wasteful
 - ☒ 2. similar
 - ☒ 3. feigning
 - ☒ 4. declining

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.

Cities are the great havens for knowledge, culture, and social life. Vibrant cultures are found in cities because it takes a 1. _____ population to support museums, concert halls, sports teams, and night-life districts. Cities also offer rich social opportunities. People in rural areas enjoy only limited social opportunities because 2. _____ the small local population. City dwellers can choose their friends and mates from among a large number of people of 3. _____ interests and inclinations. We are not likely to abandon the city as a 4. _____ institution, but we need to make sure that our transport arrangements do not 5. _____ the 'city's' other functions.

SubQuestion No : 8

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

- Ans**
- ☒ 1. religious
 - ☒ 2. cultural
 - ☒ 3. psychological
 - ☒ 4. educational

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.

Cities are the great havens for knowledge, culture, and social life. Vibrant cultures are found in cities because it takes a 1. _____ population to support museums, concert halls, sports teams, and night-life districts. Cities also offer rich social opportunities. People in rural areas enjoy only limited social opportunities because 2. _____ the small local population. City dwellers can choose their friends and mates from among a large number of people of 3. _____ interests and inclinations. We are not likely to abandon the city as a 4. _____ institution, but we need to make sure that our transport arrangements do not 5. _____ the 'city's' other functions.

SubQuestion No : 9

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

- Ans**
- ☒ 1. help
 - ☒ 2. damage
 - ☒ 3. support
 - ☒ 4. boost

Q.10 Select the most appropriate synonym of the word 'intuitive' to fill in the blank.
In a split second, her _____ reaction kicked in as she swiftly reached out to catch the falling glass.

- Ans**
- ☒ 1. shrewd
 - ☒ 2. voluntary
 - ☒ 3. insightful
 - ☒ 4. instinctive

Q.11 Select the option that will improve the underlined part of the given sentence.

This book provides an unrestrained account of the natural resources in India.

- Ans**
- ☒ 1. excessive
 - ☒ 2. exhaustive
 - ☒ 3. limited
 - ☒ 4. exhausting

Q.12 Select the most appropriate idiom to fill in the blank.
After a day long trek, we were so tired that we were ready to _____.

- Ans**
- ☒ 1. hit the sack
 - ☒ 2. get into deep water
 - ☒ 3. face the music
 - ☒ 4. go from rags to riches

Q.13 Select the most appropriate synonym of the word 'Abandon' from the given sentence.

Ramita has decided to forsake her participation in college activities until she improved her scores.

- Ans**
- ☒ 1. forsake
 - ☒ 2. decided
 - ☒ 3. participation
 - ☒ 4. improved

Q.14 Select the INCORRECTLY spelt word.

- Ans**
- ☒ 1. Destroy
 - ☒ 2. Demolish
 - ☒ 3. Develop
 - ☒ 4. Betrey

Q.15 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'.
Then I unfurled the Indian tri-colour and keep it aloft at the roof of the world.

- Ans**
- ☒ 1. held
 - ☒ 2. No substitution required
 - ☒ 3. keeping
 - ☒ 4. hold

Q.16 Identify the incorrectly spelt word and select its correct spelling.
This will sound weired, but bear with me.

- Ans**
- ☒ 1. bier
 - ☒ 2. wired
 - ☒ 3. weird
 - ☒ 4. beer

Q.17 Select the most appropriate idiom to fill in the blank.

The two brothers _____ when their father died.

- Ans**
- ☒ 1. fell out
 - ☒ 2. look down upon
 - ☒ 3. got the sack
 - ☒ 4. fell down

Q.18 Select the most appropriate synonym of the underlined word in the given sentence.

We should not discriminate against people who are different from us.

- Ans**
- ☐ 1. divide
 - ☐ 2. sever
 - ☒ 3. differentiate
 - ☐ 4. part

Q.19 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The truth was revealed in the interrogation.

- Ans**
- ☐ 1. Found
 - ☐ 2. Evident
 - ☐ 3. Declared
 - ☒ 4. Concealed

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

The teacher asked the students to _____ electricity by switching off lights when they left the room.

- Ans**
- ☐ 1. deposit
 - ☒ 2. save
 - ☐ 3. rescue
 - ☐ 4. retain

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

One of my best friends are here.

- Ans**
- ☐ 1. better friends is here
 - ☐ 2. better friends are here
 - ☐ 3. best friend is here
 - ☒ 4. best friends is here

Q.22 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement'.
The Privacy Shield establishes a process to allow companies to transfer consumer data from European Union countries to the United States in compliance in EU law.

- Ans**
- ☐ 1. in compliance under the
 - ☐ 2. No improvement
 - ☒ 3. in compliance with
 - ☐ 4. in compliance for the

Q.23 Select the most appropriate homonym to fill in the blank.

Ravi is _____.

- Ans**
- ☒ 1. bald
 - ☐ 2. balled
 - ☐ 3. bawled
 - ☐ 4. baled

Q.24 Select the most appropriate ANTONYM of the underlined word.
We should desecrate our national flag.

- Ans**
- ☐ 1. Violate
 - ☒ 2. Sanctify
 - ☐ 3. Integrate
 - ☐ 4. Damage

Q.25 Select the most appropriate ANTONYM of the underlined word.
She was known for her refined manners.

- Ans
- ☒ 1. Brood
 - ☒ 2. Shrewd
 - ☒ 3. Elegant
 - ☒ 4. Crude

Section : **General Intelligence**

Q.1 यदि 'A' का अर्थ '+', 'B' का अर्थ 'x', 'C' का अर्थ '+' और 'D' का अर्थ '-' है, तो निम्नलिखित में से किसका परिणाम 233 होगा?

- Ans
- ☒ 1. 21 B 11 D 33 A 11 C 5
 - ☒ 2. 21 A 11 D 33 B 11 C 5
 - ☒ 3. 21 B 11 A 33 D 11 C 5
 - ☒ 4. 21 C 11 D 33 A 11 B 5

Q.2 यदि '+' और '-' को आपस में बदल दिया जाए तथा 'x' और '÷' को आपस में बदल दिया जाए तो निम्नलिखित समीकरण में (?) के स्थान पर क्या आएगा?

$$90 \times 2 - 43 + 7 \div 7 = ?$$

- Ans
- ☒ 1. 49
 - ☒ 2. 19
 - ☒ 3. 39
 - ☒ 4. 29

Q.3 निम्नलिखित चार अक्षर-समूहों में से तीन अक्षर-समूह एक निश्चित प्रकार से समान हैं और इस प्रकार एक समूह बनाते हैं। वह कौन-सा अक्षर-समूह है जो उस समूह से संबंधित नहीं है?
(ध्यान दें: असंगत अक्षर-समूह, उस अक्षर-समूह में व्यंजनों/स्वरों की संख्या या उनके स्थान पर आधारित नहीं है।)

- Ans
- ☒ 1. EKO
 - ☒ 2. CIM
 - ☒ 3. KPT
 - ☒ 4. TZD

Q.4 दी गई श्रृंखला में निम्नलिखित में से कौन-सी संख्या प्रश्न चिह्न (?) के स्थान पर आएगी?

12, 26, 54, ?, 222, 446

- Ans
- ☒ 1. 94
 - ☒ 2. 110
 - ☒ 3. 98
 - ☒ 4. 88

Q.5 45 is related to 100 following a certain logic. Following the same logic, 65 is related to 140. To which of the following is 105 related, following the same logic?

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

- Ans
- ☒ 1. 210
 - ☒ 2. 215
 - ☒ 3. 220
 - ☒ 4. 230

Q.6 LH3, RN21 से एक निश्चित प्रकार से संबंधित है। उसी प्रकार, JF5, PL35 से संबंधित है। समान तर्क का अनुसरण करते हुए ZV6 निम्नलिखित में से किससे संबंधित है?

- Ans
- ☒ 1. EA24
 - ☒ 2. FB45
 - ☒ 3. FB42
 - ☒ 4. EA45

Q.7 एक निश्चित कूट भाषा में, 'tiffin is heavy' को 'ct qm lb' लिखा जाता है और 'heavy weight gain' को 'rx yb ct' लिखा जाता है। उसी कूट भाषा में 'heavy' को कैसे लिखा जाएगा?

- Ans
- ☒ 1. lb
 - ☒ 2. ct
 - ☒ 3. rx
 - ☒ 4. qm

Q.8 निम्नलिखित समीकरण को सही बनाने के लिए परस्पर किन दो संख्याओं को और परस्पर किन दो चिह्नों को बदला जाना चाहिए?
 $9 \div 6 \times 4 + 12 - 3 = 45$

- Ans
- ☒ 1. 6, 12 और $\div$, -
 - ☒ 2. 3, 6 और $\times$, +
 - ☒ 3. 3, 9 और +, -
 - ☒ 4. 6, 9 और $\times$, +

Q.9 यदि 16 जून 2001 को शनिवार था, तो 21 जून 2004 को सप्ताह का कौन-सा दिन रहा होगा?

- Ans
- ☒ 1. सोमवार
 - ☒ 2. रविवार
 - ☒ 3. शनिवार
 - ☒ 4. शुक्रवार

Q.10 The position of how many letters will remain unchanged if each of the letters in the word PANTHER is arranged in the alphabetical order?

- Ans
- ☒ 1. Two
 - ☒ 2. None
 - ☒ 3. One
 - ☒ 4. Three

Q.11 दी गई श्रृंखला में प्रश्न चिह्न (?) के स्थान पर क्या आना चाहिए?
27, 32, 42, 47, 57, ?

- Ans
- ☒ 1. 63
 - ☒ 2. 60
 - ☒ 3. 62
 - ☒ 4. 61

Q.12 The position of how many letters will remain unchanged, if each of the letters in the word DICTIONARY is arranged in alphabetical order?

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

Q.13 तीन कथनों के बाद I, II क्रमांकित निष्कर्ष दिए गए हैं। आपको इन कथनों को सत्य मानना होगा, चाहे वे समान्यतः ज्ञात तथ्यों से अलग प्रतीत होते हों। आपको निश्चय करना है कि कौन-सा/कौन-से निष्कर्ष तार्किक रूप से दिए गए कथन/कथनों के अनुसार है/हैं।

कथन:

कुछ बोतलें, कलमें हैं।

सभी कलमें, मेजें हैं।

सभी मेजें, ग्लास हैं।

निष्कर्ष (I): कुछ ग्लास, बोतलें हैं।

निष्कर्ष (II): कुछ कलमें, ग्लास हैं।

- Ans
- ☒ 1. केवल निष्कर्ष (I) कथनों के अनुसार है।
 - ☒ 2. केवल निष्कर्ष (II) कथनों के अनुसार है।
 - ☒ 3. न तो निष्कर्ष (I) और न ही (II) कथनों के अनुसार है।
 - ☒ 4. दोनों निष्कर्ष (I) और (II) कथनों के अनुसार हैं।

Q.14 एक निश्चित कूट भाषा में, 'SLOT' को '6895' लिखा जाता है और 'TOLD' को '4856' लिखा जाता है। उसी कूट भाषा में 'D' को कैसे लिखा जाएगा?

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

Q.15 दी गई श्रृंखला को पूरा करने के लिए प्रश्न चिह्न (?) के स्थान पर कौन-सा अक्षर-समूह आएगा?

NDGB, OFJF, ?, TMSQ, XRYX

- Ans
- ☒ 1. RINJ
 - ☒ 2. RHNK
 - ☒ 3. QINK
 - ☒ 4. QJNK

Q.16 एक निश्चित कूट भाषा में,
'A + B' का अर्थ है 'A, B की माँ है',
'A - B' का अर्थ है 'A, B का भाई है',
'A × B' का अर्थ है 'A, B के पिता है',
'A ÷ B' का अर्थ है 'A, B की बेटी है'.
उपरोक्त के आधार पर, यदि 'A × B - C + D ÷ E' है, तो E का A से क्या संबंध है?

- Ans
- ☒ 1. बेटी का पति
 - ☒ 2. भाई
 - ☒ 3. पत्नी का भाई
 - ☒ 4. बेटा

Q.17 अंग्रेजी वर्णमाला क्रम के आधार पर 'ETHICS', 'AVDKYU' से एक निश्चित प्रकार से संबंधित है। उसी प्रकार, 'CUSTOM', 'YWOVKO' से संबंधित है। समान तर्क का अनुसरण करते हुए, 'PRINCIPLES' निम्नलिखित में से किससे संबंधित है?

- Ans
- ☒ 1. LSEPYKLNAU
 - ☒ 2. LTEPYKLNAU
 - ☒ 3. LTFFPYKLNAU
 - ☒ 4. LTEPYKLMAU

Q.18 निम्नलिखित में से कौन-सी संख्या दी गई श्रृंखला में प्रश्न चिह्न (?) के स्थान पर आएगी?
329 321 306 280 239 ?

- Ans
- ☒ 1. 156
 - ☒ 2. 181
 - ☒ 3. 160
 - ☒ 4. 179

Q.19 अंग्रेजी वर्णमाला क्रम के आधार पर दी गई श्रृंखला में '?' के स्थान पर क्या आना चाहिए?

YQI CZQ GIY KRG ?

- Ans
- ☒ 1. EOZ
 - ☒ 2. CNY
 - ☒ 3. OAO
 - ☒ 4. DMX

Q.20 Three of the following letter-clusters are alike in some manner and hence form a group. Which letter-cluster does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☒ 1. LTY
 - ☒ 2. CKP
 - ☒ 3. EMS
 - ☒ 4. TBG

Q.21 उस समुच्चय का चयन कीजिए जिसमें संख्याएं ठीक उसी प्रकार संबंधित हैं जिस प्रकार दिए गए समुच्चयों की संख्याएं संबंधित हैं।

(26, 38, 128)
(42, 19, 122)

(ध्यान दें: संख्याओं को उनके घटक अंकों में अलग-अलग किए बिना पूर्ण संख्याओं पर संक्रियाएं की जानी चाहिए। उदाहरण के लिए संख्या 13 - संख्या 13 पर संक्रियाएं जैसे 13 को जोड़ना/घटाना/गुणा करना आदि किया जा सकता है। 13 को 1 और 3 में अलग-अलग करने की और फिर 1 और 3 पर गणितीय संक्रियाएं करने की अनुमति नहीं है।)

- Ans
- ☒ 1. (71, 9, 320)
 - ☒ 2. (25, 36, 183)
 - ☒ 3. (33, 23, 112)
 - ☒ 4. (18, 52, 70)

Q.22 यदि 24 अगस्त 1932 को बुधवार था, तो 11 सितंबर 1943 को सप्ताह का कौन-सा दिन था?

- Ans
- ☒ 1. सोमवार
 - ☒ 2. शनिवार
 - ☒ 3. बुधवार
 - ☒ 4. रविवार

Q.23 दी गई श्रृंखला में प्रश्न चिह्न (?) के स्थान पर क्या आना चाहिए?

31, 34, 39, 46, 55, ?

- Ans
- ☒ 1. 44
 - ☒ 2. 55
 - ☒ 3. 33
 - ☒ 4. 66

Q.24 Which two numbers should be interchanged to make the given equation correct?

$$8 \times (7 + 5 - 3) + (46 \div 23) \times 6 - 69 = 44$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

- Ans
- ☒ 1. 46 and 69
 - ☒ 2. 6 and 7
 - ☒ 3. 3 and 5
 - ☒ 4. 8 and 6

Q.25 एक निश्चित कूट भाषा में, 'INDULGE' को '48' लिखा जाता है और 'PURGE' को '24' लिखा जाता है। उसी कूट भाषा में 'PUNY' को कैसे लिखा जाएगा?

- Ans
- ☒ 1. 25
 - ☒ 2. 15
 - ☒ 3. 20
 - ☒ 4. 18

Q.1 सरल कीजिए।

$$\{(3^3 + 2^3) \times \frac{22}{7}\} \times \{(6^2 + 3^2 - 4^2) \div (14\frac{1}{2})\}$$

- Ans
- ☒ 1. 220
 - ☐ 2. 198
 - ☐ 3. 145
 - ☐ 4. 110

Q.2 Find the difference between the curved surface area and total surface area of a right circular cylinder having a length of 68 cm and base diameter of 28 cm.

- Ans
- ☐ 1. 1132 cm²
 - ☐ 2. 1332 cm²
 - ☐ 3. 1432 cm²
 - ☒ 4. 1232 cm²

Q.3 निम्न में से कौन सी संख्या 11 से विभाज्य है?

- Ans
- ☒ 1. 1384856
 - ☐ 2. 1374656
 - ☐ 3. 1345626
 - ☐ 4. 1325672

Q.4 एक दुकानदार ने ₹115.20 में 288 संतरे खरीदे। उसने उनमें से 50 को 70 पैसे प्रति संतरे की दर से और शेष ₹46.20 में बेच दिए। उसका लाभ या हानि ज्ञात कीजिए।

- Ans
- ☐ 1. ₹37 का लाभ
 - ☐ 2. ₹36 की हानि
 - ☐ 3. ₹25 का लाभ
 - ☒ 4. ₹34 की हानि

Q.5 If the diameter of a hemisphere is 42 cm, then the volume of hemisphere (in cm³) is:

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

- Ans
- ☒ 1. 19404
 - ☐ 2. 19154
 - ☐ 3. 19444
 - ☐ 4. 19254

Q.6 Find the total amount of debt that will be discharged by 5 equal instalments of ₹200 each, if the debt is due in 5 years at 5% p.a. at simple interest.

- Ans
- ☐ 1. ₹1,255
 - ☒ 2. ₹1,100
 - ☐ 3. ₹1,200
 - ☐ 4. ₹1,400

Q.7 Let C be a circle with Centre O and P be an external point to C. Let PQ and PR be the tangents to C such that Q and R be the points of tangency, respectively. If $\angle ROQ = 110^\circ$, find $\angle RPQ$.

- Ans
- ☐ 1. 90°
 - ☐ 2. 110°
 - ☐ 3. 80°
 - ☒ 4. 70°

Q.8 Isosceles triangles, ABC and DEF, are similar triangles with their perimeters 84 cm and 112 cm. The base BC of triangle ABC is 36 cm. The sum of the areas of the triangles is $a\sqrt{d}$ where a and d are relatively prime. Then the value of $\frac{a}{5} - 4d$ is:

- Ans
- ☐ 1. 38
 - ☐ 2. 52
 - ☒ 3. 32
 - ☐ 4. 26

Q.9 यदि θ एक न्यूनकोण है और $\tan\theta + \cot\theta = 2$ है, तो $\tan^3\theta + \cot^3\theta + 6\tan^3\theta\cot^2\theta$ का मान ज्ञात कीजिए।

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

Q.10 If price of an article increases successively by 15% and 10%, respectively, then what is the percentage equivalent to a single price increase of that article?

- Ans
- ☐ 1. 12.5%
 - ☐ 2. 23.5%
 - ☒ 3. 26.5%
 - ☐ 4. 25%

Q.11 यदि $\Delta ABC \sim \Delta QPR$; ΔABC का क्षेत्रफल : ΔPQR का क्षेत्रफल = 9 : 4; AB = 18 cm और BC = 15 cm हैं, तो PR की लंबाई ज्ञात कीजिए।

- Ans
- ☐ 1. 12 cm
 - ☒ 2. 10 cm
 - ☐ 3. 15 cm
 - ☐ 4. 14 cm

Q.12 16 cm और 20 cm व्यास वाले दो वृत्त इस प्रकार हैं कि उनके केंद्रों के बीच की दूरी 13 cm है। इन वृत्तों की उस उभयनिष्ठ स्पर्शरेखा की लंबाई (cm में) कितनी है जो केंद्रों को मिलाने वाली रेखा को प्रतिच्छेद नहीं करती है?

- Ans
- ☐ 1. $\sqrt{163}$
 - ☐ 2. $\sqrt{167}$
 - ☐ 3. $\sqrt{173}$
 - ☒ 4. $\sqrt{165}$

Q.13 एक पुलिसकर्मी को सूचना मिली कि एक चोर उससे 1.5 km की दूरी पर है। चोर कार से चलना शुरू करता है और पुलिसकर्मी कार से उसका पीछा करता है। चोर और पुलिसकर्मी क्रमशः 90 km/h और 120 km/h की चाल से आगे बढ़ रहे हैं। पुलिसकर्मी किस दूरी (km में) पर चोर को पकड़ लेगा?

- Ans
- ☐ 1. 4.5 km
 - ☒ 2. 6 km
 - ☐ 3. 45.0 km
 - ☐ 4. 5 km

Q.14 दो राशियाँ 3 : 5 के अनुपात में हैं। यदि पहली राशि 155 kg है, तो दूसरी राशि (लगभग) ज्ञात कीजिए।

- Ans
- ☐ 1. 150.5 kg
 - ☒ 2. 258.3 kg
 - ☐ 3. 240.6 kg
 - ☐ 4. 200.4 kg

Q.15 An iron box with external dimensions 60 cm, 40 cm, and 20 cm is made of 1 cm thick sheet. If 1 cm³ of iron weighs 50 gm, the weight of the empty box is:

- Ans
- ☐ 1. 240 kg
 - ☐ 2. 400 kg
 - ☒ 3. 416.40 kg
 - ☐ 4. 214.05 kg

Q.16 एक दुकानदार एक वस्तु पर ₹150 मूल्य अंकित करता है और उसे 25% की छूट पर बेचता है। साथ ही वह वस्तु की खरीद पर ₹2.5 का गिफ्ट भी देता है। यदि वह फिर भी 10% का लाभ अर्जित करता है, तो वस्तु का क्रय मूल्य (₹ में) क्या है?

- Ans
- ☐ 1. 112
 - ☐ 2. 175
 - ☒ 3. 100
 - ☐ 4. 125

Q.17 यदि किसी संख्या में से 12 घटाया जाए तो वह संख्या घटकर उसके 25% के बराबर हो जाती है। इस संख्या का तीन-चौथाई कितना है?

- Ans
- ☒ 1. 12
 - ☐ 2. 20
 - ☐ 3. 16
 - ☐ 4. 9

Q.18 वह संख्या कौन सी है, जिसे 460 के 20% में जोड़ने पर योग 920 के 70% के बराबर हो जाए?

- Ans
- ☒ 1. 552
 - ☐ 2. 335
 - ☐ 3. 762
 - ☐ 4. 926

Q.19 निम्नलिखित व्यंजक को सरल कीजिए।

$$[40 - 48 \div 4 \text{ of } 3] \div \{(6 + 4) - 4 \text{ of } 4 + 4 + (6 - 4) + (4 \times 4) \div 4\} \times 3.$$

- Ans
- ☐ 1. 26
 - ☐ 2. 25
 - ☒ 3. 27
 - ☐ 4. 30

Q.20 The perimeter of a triangle is 36 units. Its area cannot be more than _____ square units.

- Ans
- ☐ 1. $12\sqrt{7}$
 - ☐ 2. $18\sqrt{5}$
 - ☐ 3. $36\sqrt{2}$
 - ☒ 4. $36\sqrt{3}$

Q.21 Mithila covers 50 km by bus in 90 minutes. After deboarding the bus, she takes rest for 15 minutes and covers another 30 km by a taxi in 35 minutes. Find the average speed (in km/h) for the whole journey.

Ans

✓ 1. $34\frac{2}{7}$

✗ 2. $32\frac{2}{7}$

✗ 3. $31\frac{2}{7}$

✗ 4. $33\frac{2}{7}$

Q.22 The **shortest** length of the intercept between the x-axis and y-axis of the equation $6x + 8y - 48 = 0$ is:

Ans

✗ 1. 14 units

✗ 2. 6 units

✓ 3. 10 units

✗ 4. 12 units

Q.23 A और B, एक साथ काम करते हुए, एक काम को पूरा करने में 15 दिन लेते हैं। यदि A अकेले इस काम को 18 दिनों में पूरा कर सकता है, तो B को उसी काम को पूरा करने में कितना समय लगेगा?

Ans

✗ 1. 8 दिन

✗ 2. 15 दिन

✗ 3. 33 दिन

✓ 4. 90 दिन

Q.24 किसी वस्तु की कीमत में पहले 40% की वृद्धि की जाती है और फिर बिक्री में कमी होने के कारण, 45% की कमी की जाती है। वस्तु के अंतिम मूल्य में कुल प्रतिशत परिवर्तन ज्ञात कीजिए।

Ans

✗ 1. 13%

✗ 2. -13%

✓ 3. -23%

✗ 4. 23%

Q.25 The price of a book is first decreased by 15% and then increased by 10%. The net percentage change in the price of the book is:

Ans

✗ 1. 6.5% increase

✗ 2. 12.5% decrease

✓ 3. 6.5% decrease

✗ 4. 12.5% increase

Section : **General Awareness**

Q.1 मालदीव भारत के किस द्वीप के दक्षिण में स्थित है?

Ans

✗ 1. श्रीलंका

✓ 2. लक्षद्वीप

✗ 3. जापान

✗ 4. अण्डमान और निकोबार

Q.2 जूडो में सीधी स्थिति में खड़े होकर लड़ना _____ कहलाता है।

- Ans
- ✓ 1. ताची-वाजा (tachi-waza)
 - ✗ 2. कोशी-वाजा (koshi-waza)
 - ✗ 3. ने-वाजा (ne-waza)
 - ✗ 4. अशी-वाजा (ashi-waza)

Q.3 लुशाई पहाड़ियों (Lushai Hills) को _____ के नाम से भी जाना जाता है।

- Ans
- ✗ 1. पटकाई पहाड़ियों (Patkai Hills)
 - ✗ 2. खासी पहाड़ियों (Khasi Hills)
 - ✓ 3. मिज़ो पहाड़ियों (Mizo Hills)
 - ✗ 4. नागा पहाड़ियों (Naga Hills)

Q.4 Which of the following Articles of the Constitution states that 'It shall be the duty of every citizen of India to promote harmony and the spirit of common brotherhood amongst all the people of India transcending religious, linguistic and regional or sectional diversities; to renounce practices derogatory to the dignity of women.'?

- Ans
- ✓ 1. 51 A (e)
 - ✗ 2. 51 A (c)
 - ✗ 3. 51 A (b)
 - ✗ 4. 51 A (d)

Q.5 बिरसा मुंडा अंतरराष्ट्रीय हॉकी स्टेडियम कहाँ स्थित है?

- Ans
- ✗ 1. जमशेदपुर
 - ✗ 2. रांची
 - ✗ 3. भुवनेश्वर
 - ✓ 4. राउरकेला

Q.6 मुहर्रम इस्लामिक कलेंडर का _____ महीना है और इसे एक पवित्र महीना माना जाता है।

- Ans
- ✗ 1. दूसरा
 - ✗ 2. तीसरा
 - ✓ 3. पहला
 - ✗ 4. चौथा

Q.7 NNP की गणना के लिए निम्नलिखित में से कौन-सा सही सूत्र है?

- Ans
- ✗ 1. $NNP = GNP + \text{मूल्यह्रास}$
 - ✓ 2. $NNP = GNP - \text{मूल्यह्रास}$
 - ✗ 3. $NNP = GDP - \text{मूल्यह्रास}$
 - ✗ 4. $NNP = GDP - \text{आय}$

Q.8 निम्नलिखित में से कौन सा जानवर अपने जीवन काल के दौरान अपना लिंग बदल सकता है?

- Ans
- ✗ 1. नेरीस (nereis)
 - ✗ 2. मनुष्य (Humans)
 - ✗ 3. एस्केरिस (Ascaris)
 - ✓ 4. घोंघा (Snail)

Q.9 What takes place when you click the Save button or press Ctrl + S in Microsoft Word?

- Ans
- ✓ 1. The document is saved in a disk file.
 - ✗ 2. The document is printed.
 - ✗ 3. The document is closed.
 - ✗ 4. The document is copied to the clipboard.

Q.10 The famous folk music 'Hekialeu' has its origin in which state?

- Ans
- ☒ 1. Nagaland
 - ☐ 2. Tami Nadu
 - ☐ 3. Assam
 - ☐ 4. Goa

Q.11 नागरिकता अधिनियम, 1955, _____ से संबंधित नहीं है।

- Ans
- ☒ 1. निर्वाचन (election)
 - ☐ 2. अर्जन (acquisition)
 - ☐ 3. समापन (termination)
 - ☐ 4. पर्यवसान (determination)

Q.12 फुटबॉल में सेंडिंग ऑफ कार्ड (sending off card) का रंग कैसा होता है?

- Ans
- ☐ 1. काला
 - ☒ 2. लाल
 - ☐ 3. नीला
 - ☐ 4. पीला

Q.13 Match the following renewable sources of energy with their producing regions in India correctly.

Renewable source of energy	Regions in India
1. Tidal energy	a. Gulf of Khambhat
2. Wind energy	b. Nagercoil
3. Geo Thermal energy	c. Puga valley

- Ans
- ☒ 1. 1-a, 2-b, 3-c
 - ☐ 2. 1-b, 2-c, 3-a
 - ☐ 3. 1-c, 2-b, 3-a
 - ☐ 4. 1-b, 2-a, 3-c

Q.14 A circular coil having 'n' turns produces a field _____ times large as that produced by a single turn

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

Q.15 गुग्गा (Gugga) _____ का एक प्रसिद्ध कर्मकांडीय नृत्य है, जो गुग्गा पीर की याद में निकाले गए जुलूस में किया जाता है।

- Ans
- ☒ 1. हरियाणा
 - ☐ 2. पुदुचेरी
 - ☐ 3. उत्तर प्रदेश
 - ☐ 4. जम्मू और कश्मीर

Q.16 To enhance the interoperability between the Indian and Russian Armies, a joint training exercise called _____ commenced at Prudboy Ranges, Volgograd in the year 2021.

- Ans
- ☒ 1. INDRA 2021
 - ☐ 2. SHAKTI 2021
 - ☐ 3. VARUNA 2021
 - ☐ 4. SURYA KIRAN 2021

Q.17 अप्रैल 2023 में, विंग कमांडर दीपिका मिश्रा को निम्नलिखित में से कौन-सा पुरस्कार मिला?

- Ans
- ☐ 1. शौर्य चक्र
 - ☐ 2. वीर चक्र
 - ☐ 3. उत्तम युद्ध सेवा पदक
 - ☒ 4. वायु सेना पदक

Q.18 Which of the following methods measures poverty on the basis of income and consumption levels?

- Ans**
- ☐ 1. Poverty band
 - ☒ 2. Poverty line
 - ☐ 3. Poverty bar
 - ☐ 4. Poverty limit

Q.19 _____ राज्य का खूबकेशी (Khubakeshei) एक ऐसा गीत है जो तालियाँ बजाकर (clapping) गाया जाता है।

- Ans**
- ☒ 1. मणिपुर
 - ☐ 2. कर्नाटक
 - ☐ 3. ओडिशा
 - ☐ 4. बिहार

Q.20 ब्रिटिश सरकार ने वर्ष 1856 में एक कानून पारित किया था। यह निम्नलिखित में से किस सामाजिक सुधार के लिए था?

- Ans**
- ☒ 1. विधवा पुनर्विवाह
 - ☐ 2. कन्या शिशु की हत्या के विरुद्ध कानून
 - ☐ 3. बाल विवाह प्रथा का उन्मूलन
 - ☐ 4. सती प्रथा का उन्मूलन

Q.21 महान राष्ट्रकूट राजा 'कृष्ण प्रथम' द्वारा शैव (Saiva) के भव्य मंदिर का निर्माण किस स्थान पर करवाया गया था?

- Ans**
- ☐ 1. बादामी
 - ☒ 2. एलोरा
 - ☐ 3. कन्नौज
 - ☐ 4. कांची

Q.22 Which of the following statements is INCORRECT regarding the Coriolis force?

- Ans**
- ☒ 1. Deflection is less when the wind is high.
 - ☐ 2. It deflects the wind to the right in the north and left in the south.
 - ☐ 3. It is directly proportional to the angle of altitude
 - ☐ 4. It is absent at the equator.

Q.23 जीमेल (Gmail) में एक ईमेल संदेश से जोड़ा जा सकने वाला अधिकतम फ़ाइल साइज़ निम्न में से कौन-सा है?

- Ans**
- ☐ 1. 200 MB
 - ☐ 2. 50 MB
 - ☒ 3. 25 MB
 - ☐ 4. 100 MB

Q.24 निम्नलिखित में से कौन-सा हरित क्रांति के परिणामों में से एक नहीं है?

- Ans**
- ☐ 1. धनी अधिक धनी हो गए और कई निर्धन पूर्ववत् रहे या अधिक गरीब हो गए

☒ 2.

कीमतों की बढ़ोतरी तथा कृषि मज़दूरों के भुगतान के तरीकों में बदलाव जैसे - नगद भुगतान के स्थान पर खाद्यान्न

- ☐ 3. मज़दूरों की दिहाड़ी में बढ़ोतरी हुई

- ☐ 4. मज़दूरों के रोज़गार में बढ़ोतरी हुई

Q.25 Which of the following state is the best governed state in the large states category as per the Public Affairs Index, 2020, which was released by the Public Affairs Centre, a non-profit organisation?

- Ans**
- ☐ 1. Uttar Pradesh
 - ☐ 2. Bihar
 - ☐ 3. Odisha
 - ☒ 4. Kerala

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	03/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I VH

Section : English Language

Q.1 Parts of the following sentence have been given as options. Select the option that contains an error.
Today she said to her friend, "You're the sweetest person I have met ever".

- Ans**
- ☒ 1. Today she said to
 - ☒ 2. I have met ever".
 - ☒ 3. the sweetest person
 - ☒ 4. her friend, "You're

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

Don't go / outside / because it is / raining heavy.

- Ans**
- ☒ 1. raining heavy.
 - ☒ 2. because it is
 - ☒ 3. outside
 - ☒ 4. Don't go

Q.3 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.
The class / teacher was / wounded in / a leg.

- Ans**
- ☒ 1. teacher was
 - ☒ 2. wounded in
 - ☒ 3. The class
 - ☒ 4. a leg.

Q.4 The following sentence has been split into four segments. Identify the segment that contains an INCORRECT preposition.
Please remember to take / your notice to the reception area / if you want it to be displayed / upon the bulletin board.

- Ans**
- ☒ 1. your notice to the reception area
 - ☒ 2. if you want it to be displayed
 - ☒ 3. Please remember to take
 - ☒ 4. upon the bulletin board

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.

The tuatara, which lives on New Zealand's islands, is affectionately known as Living fossil. It is called that because it is the only (1)_____ reptile in a group of reptiles that dates back about 220 million years to the time of the dinosaurs. The colour of the tuatara is grey or olive green. It (2)_____ to a length of around 60 cm. The fact that this lizard has three eyes is its most (3)_____ feature. The pineal eye is the name given to the cone-shaped third eye. This eye is in a space between the brain and head. It has an eyelid over the third eye, which closes on a horizontal level. The tuatara has teeth that are (4)_____ from those of other reptiles. The lower jaw has only one row of teeth, while the upper jaw has two rows.

The tuatara is most active at night. It eats the eggs of birds, frogs, rats and insects. A tuatara's average lifespan is less than 77 years, but some species can live up to 100 years. In the spring, the female tuatara lays 8 to 15 eggs. These eggs are (5)_____ during summer.

SubQuestion No : 5

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

- Ans**
- ☒ 1. being
 - ☒ 2. entity
 - ☒ 3. life
 - ☒ 4. living

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.

The tuatara, which lives on New Zealand's islands, is affectionately known as Living fossil. It is called that because it is the only (1)_____ reptile in a group of reptiles that dates back about 220 million years to the time of the dinosaurs. The colour of the tuatara is grey or olive green. It (2)_____ to a length of around 60 cm. The fact that this lizard has three eyes is its most (3)_____ feature. The pineal eye is the name given to the cone-shaped third eye. This eye is in a space between the brain and head. It has an eyelid over the third eye, which closes on a horizontal level. The tuatara has teeth that are (4)_____ from those of other reptiles. The lower jaw has only one row of teeth, while the upper jaw has two rows.

The tuatara is most active at night. It eats the eggs of birds, frogs, rats and insects. A tuatara's average lifespan is less than 77 years, but some species can live up to 100 years. In the spring, the female tuatara lays 8 to 15 eggs. These eggs are (5)_____ during summer.

SubQuestion No : 6

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

- Ans**
- ☒ 1. develops
 - ☐ 2. links
 - ☐ 3. nourishes
 - ☐ 4. creates

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.

The tuatara, which lives on New Zealand's islands, is affectionately known as Living fossil. It is called that because it is the only (1)_____ reptile in a group of reptiles that dates back about 220 million years to the time of the dinosaurs. The colour of the tuatara is grey or olive green. It (2)_____ to a length of around 60 cm. The fact that this lizard has three eyes is its most (3)_____ feature. The pineal eye is the name given to the cone-shaped third eye. This eye is in a space between the brain and head. It has an eyelid over the third eye, which closes on a horizontal level. The tuatara has teeth that are (4)_____ from those of other reptiles. The lower jaw has only one row of teeth, while the upper jaw has two rows.

The tuatara is most active at night. It eats the eggs of birds, frogs, rats and insects. A tuatara's average lifespan is less than 77 years, but some species can live up to 100 years. In the spring, the female tuatara lays 8 to 15 eggs. These eggs are (5)_____ during summer.

SubQuestion No : 7

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

- Ans**
- ☒ 1. intriguing
 - ☐ 2. escalating
 - ☐ 3. diverting
 - ☐ 4. absorbing

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.

The tuatara, which lives on New Zealand's islands, is affectionately known as Living fossil. It is called that because it is the only (1)_____ reptile in a group of reptiles that dates back about 220 million years to the time of the dinosaurs. The colour of the tuatara is grey or olive green. It (2)_____ to a length of around 60 cm. The fact that this lizard has three eyes is its most (3)_____ feature. The pineal eye is the name given to the cone-shaped third eye. This eye is in a space between the brain and head. It has an eyelid over the third eye, which closes on a horizontal level. The tuatara has teeth that are (4)_____ from those of other reptiles. The lower jaw has only one row of teeth, while the upper jaw has two rows.

The tuatara is most active at night. It eats the eggs of birds, frogs, rats and insects. A tuatara's average lifespan is less than 77 years, but some species can live up to 100 years. In the spring, the female tuatara lays 8 to 15 eggs. These eggs are (5)_____ during summer.

SubQuestion No : 8

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

- Ans**
- ☐ 1. sharp
 - ☐ 2. discrete
 - ☐ 3. separate
 - ☒ 4. distinct

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.

The tuatara, which lives on New Zealand's islands, is affectionately known as Living fossil. It is called that because it is the only (1)_____ reptile in a group of reptiles that dates back about 220 million years to the time of the dinosaurs. The colour of the tuatara is grey or olive green. It (2)_____ to a length of around 60 cm. The fact that this lizard has three eyes is its most (3)_____ feature. The pineal eye is the name given to the cone-shaped third eye. This eye is in a space between the brain and head. It has an eyelid over the third eye, which closes on a horizontal level. The tuatara has teeth that are (4)_____ from those of other reptiles. The lower jaw has only one row of teeth, while the upper jaw has two rows.

The tuatara is most active at night. It eats the eggs of birds, frogs, rats and insects. A tuatara's average lifespan is less than 77 years, but some species can live up to 100 years. In the spring, the female tuatara lays 8 to 15 eggs. These eggs are (5)_____ during summer.

SubQuestion No : 9

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

- Ans
- ☒ 1. pollinated
 - ☒ 2. fertilised
 - ☒ 3. fructified
 - ☒ 4. germinated

Q.10 Select the most appropriate ANTONYM of the given word.
Alive

- Ans
- ☒ 1. Spry
 - ☒ 2. Animated
 - ☒ 3. Dead
 - ☒ 4. Wise

Q.11 Select the most appropriate synonym of the given word.

Ablaze

- Ans
- ☒ 1. Brazen
 - ☒ 2. Sharp
 - ☒ 3. Burning
 - ☒ 4. Extinguished

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

- Ans
- ☒ 1. Profane
 - ☒ 2. Grave
 - ☒ 3. Narrow
 - ☒ 4. Holy

Q.13 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Relevant
 - ☒ 2. Chief
 - ☒ 3. Colleague
 - ☒ 4. Judgment

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence.
There is no place on the bench.

- Ans
- ☒ 1. no life
 - ☒ 2. no room
 - ☒ 3. more space
 - ☒ 4. more place

Q.15 Select the most appropriate ANTONYM of the underlined word in the following sentence.

You should never visit her without her consent.

- Ans
- ☒ 1. Permission
 - ☒ 2. Knowledge
 - ☒ 3. Approval
 - ☒ 4. Refusal

Q.16 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Magnanimos
 - ☐ 2. Fascination
 - ☐ 3. Psychology
 - ☐ 4. Accompanied

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement required'.

The annual seed festival hosted in Auroville promote sharing of traditional knowledge and sustainable farming practices.

- Ans
- ☒ 1. promotes sharing of traditional
 - ☐ 2. promotes sharing of tradition
 - ☐ 3. No improvement required
 - ☐ 4. promotes sharing of traditionally

Q.18 Select the most appropriate meaning of the given idiom.

Around the clock

- Ans
- ☐ 1. Something that is done at night
 - ☒ 2. Something that goes on day and night
 - ☐ 3. Something that is time bound
 - ☐ 4. Something that is done within one hour

Q.19 Select the most appropriate meaning of the given idiom.
Best thing since sliced bread

- Ans
- ☒ 1. Extremely good, interesting
 - ☐ 2. Something to be cautious about
 - ☐ 3. Rated well amongst cooks
 - ☐ 4. Breaking news

Q.20 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'.

He was the fastest between all the contestants.

- Ans
- ☒ 1. amongst
 - ☐ 2. since
 - ☐ 3. No substitution
 - ☐ 4. from

Q.21 Select the most appropriate ANTONYM of the underlined word in the following sentence.
My most vivid recollection of that summer is the ocean.

- Ans
- ☐ 1. Pictorial
 - ☐ 2. Eloquent
 - ☒ 3. Vague
 - ☐ 4. Lucid

Q.22 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Little that I knew of the English language was not sufficient to make me an English teacher.

- Ans
- ☐ 1. So little
 - ☒ 2. The little
 - ☐ 3. A little
 - ☐ 4. Very little

Q.23 Read the sentence carefully and select the synonym of the underlined word from the given alternatives.

Everyone revered my austere father who was the high priest of the famous Shiva temple.

- Ans
- ☒ 1. Stern
 - ☐ 2. Morose
 - ☐ 3. Aged
 - ☐ 4. Composed

Q.24 Select the most appropriate ANTONYM of the underlined word in the given sentence.
Mr. Stein is a very cold and hard man.

- Ans**
- ☐ 1. Relaxed
 - ☒ 2. Charitable
 - ☐ 3. Clement
 - ☐ 4. Tolerant

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

Many developing nations are having a _____ economy these days.

- Ans**
- ☐ 1. ringing
 - ☐ 2. resounding
 - ☐ 3. boosting
 - ☒ 4. booming

Section : **General Intelligence**

Q.1 In a certain code language, 'GCJL' is coded as '14-6-20-24' and 'WTRO' is coded as '46-40-36-30'. What is the code for 'BZKQ' in the given code language?

- Ans**
- ☐ 1. 3-51-20-33
 - ☐ 2. 4-52-21-32
 - ☐ 3. 2-52-22-34
 - ☒ 4. 4-52-22-34

Q.2 'MANGO' is related to '35' in a certain way based on the English alphabetical order. In the same way, 'CHERRIES' is related to '56'. To which of the following is 'ADMINISTRATION' related, following the same logic?

- Ans**
- ☐ 1. 112
 - ☐ 2. 102
 - ☐ 3. 96
 - ☒ 4. 98

Q.3 All the alphabets in the word 'CURTAIN' are arranged in the alphabetical order. How many alphabets are there in the English alphabetical series between the alphabet which is fourth from the left and the one which is second from the right in the newly formed letter-cluster?

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

Q.4 PCNZ is related to ALWQ in a certain way based on the English alphabetical order. In the same way, RYLD is related to EHUS. To which of the following is HAXM related, following the same logic?

- Ans**
- ☐ 1. NIJG
 - ☒ 2. NJGI
 - ☐ 3. NIGJ
 - ☐ 4. NJIG

Q.5 In a certain code language, 'a beautiful face' is written as 'lp kv sn' and 'face your fears' is coded as 'gi lp fv'. How is 'face' coded in the given language?

- Ans**
- ☐ 1. gi
 - ☐ 2. fv
 - ☐ 3. sn
 - ☒ 4. lp

Q.6 If 29 December 1956 was a Saturday, then what was the day of the week on 16 January 1967?

- Ans
- ☐ 1. Saturday
 - ☐ 2. Sunday
 - ☐ 3. Friday
 - ☒ 4. Monday

Q.7 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 87?

- Ans
- ☐ 1. 11 D 9 C 65 A 5 B 25
 - ☐ 2. 11 C 9 B 65 A 5 D 25
 - ☐ 3. 11 A 9 C 65 B 5 D 25
 - ☒ 4. 11 B 9 C 65 A 5 D 25

Q.8 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. NQRU
 - ☐ 2. ILMP
 - ☒ 3. MPSU
 - ☐ 4. FIJM

Q.9 What should come in place of '?' in the given series?

34 58 106 202 394 ?

- Ans
- ☐ 1. 774
 - ☐ 2. 798
 - ☐ 3. 792
 - ☒ 4. 778

Q.10 765 is related to 876 following a certain logic. Following the same logic, 682 is related to 793.

To which of the following is 587 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. 698
 - ☐ 2. 543
 - ☐ 3. 798
 - ☐ 4. 675

Q.11 If 26 September 2005 was Monday, then what was the day of the week on 26 September 2017?

- Ans
- ☐ 1. Saturday
 - ☐ 2. Sunday
 - ☐ 3. Wednesday
 - ☒ 4. Tuesday

Q.12 What should come in place of ? in the given series?

8, 15, 29, 57, 113, ?

- Ans
- ☐ 1. 222
 - ☐ 2. 224
 - ☐ 3. 223
 - ☒ 4. 225

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

37, 40, 46, 55, 67, ?

- Ans
- ☐ 1. 85
 - ☐ 2. 80
 - ☐ 3. 79
 - ☒ 4. 82

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

FQN, CLL, ZGJ, WBH, ?

- Ans
- ☐ 1. SVE
 - ☐ 2. TVE
 - ☐ 3. SVF
 - ☒ 4. TWF

Q.15 In this question, three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

All chairs are sofas.

Some chairs are beds.

No sofa is a table.

Conclusions:

I. Some tables are beds.

II. No table is a chair.

III. Some sofas are beds.

- Ans
- ☐ 1. All conclusions I, II and III follow.
 - ☐ 2. Both conclusions I and II follow.
 - ☐ 3. Both conclusions I and III follow.
 - ☒ 4. Both conclusions II and III follow.

Q.16 What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$73 - 27 \times 9 + 5 \div 13 = ?$

- Ans
- ☒ 1. 11
 - ☐ 2. 23
 - ☐ 3. 9
 - ☐ 4. 17

Q.17 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☒ 1. TZD
 - ☐ 2. QWD
 - ☐ 3. RXE
 - ☐ 4. EKR

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

$800 \times 16 - 8 \div 12 + 18 = ?$

- Ans
- ☒ 1. 128
 - ☐ 2. 126
 - ☐ 3. 127
 - ☐ 4. 129

Q.19 'A + B' means 'A is B's brother'.
'A - B' means 'A is B's wife'.
'A × B' means 'A is B's father'.
'A ÷ B' means 'A is B's daughter'.

Using operations with the same meaning as given above, which of the following options shows 'M is the mother of O'?

- Ans
- ☐ 1. $M \div N + O$
 - ☐ 2. $M \div N \times O$
 - ☐ 3. $M - N + O$
 - ☒ 4. $M - N \times O$

Q.20 If 18th September falls on 2 days after tomorrow which is Thursday, then what day of the week will fall on the last date of the same month?

- Ans
- ☐ 1. Wednesday
 - ☐ 2. Saturday
 - ☒ 3. Thursday
 - ☐ 4. Friday

Q.21 What should come in place of ? in the given series based on the English alphabetical order?

QJC ATM KDW UNG ?

- Ans
- ☐ 1. BAA
 - ☒ 2. EXQ
 - ☐ 3. CWO
 - ☐ 4. SBA

Q.22 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?

93 A 3 C 15 B 5 D 12 = ?

- Ans
- ☐ 1. 93
 - ☒ 2. 94
 - ☐ 3. 92
 - ☐ 4. 91

Q.23 Which of the following numbers will replace the question mark (?) in the given series?

45, 93, ?, 381, 765, 1533

- Ans
- ☐ 1. 203
 - ☒ 2. 189
 - ☐ 3. 193
 - ☐ 4. 166

Q.24 In a certain code language, 'time and money' is coded as 'zoo zee zig' and 'time and tide' is coded as 'zee zoo zaa'. Which word is coded as 'zaa' in that language?

- Ans
- ☐ 1. time
 - ☐ 2. money
 - ☐ 3. and
 - ☒ 4. tide

Q.25 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
 (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their 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.)
 (45, 15, 3)
 (120, 40, 8)

- Ans**
- ☒ 1. (175, 55, 11)
 - ☒ 2. (165, 55, 11)
 - ☒ 3. (165, 54, 11)
 - ☒ 4. (165, 55, 9)

Section : **Quantitative Aptitude**

Q.1 If 6,18, x are sides of a triangle and x is an integer, then the number of possible values of x is:

- Ans**
- ☒ 1. 14
 - ☒ 2. 15
 - ☒ 3. 11
 - ☒ 4. 13

Q.2 If the height of a right circular cone is 24 cm and radius of its base is 10.5 cm, then the volume of right circular cone (in cm^3) is:

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

- Ans**
- ☒ 1. 2772
 - ☒ 2. 2277
 - ☒ 3. 2237
 - ☒ 4. 2727

Q.3 In an election between two candidates, 10% of the registered voters did not cast their vote. The winning candidate got 60% of the total votes cast and defeated the other candidate by 1242 votes. Find the total number of registered voters.

- Ans**
- ☒ 1. 6200
 - ☒ 2. 8640
 - ☒ 3. 6900
 - ☒ 4. 9600

Q.4 Simplify the given expression.

$$8 - 5 \div 2^3 \times 3 + (7 \div 7 \times 7) \div 7 + \left(3 \times 6 \div \frac{1}{3}\right) \times \frac{1}{3^3}$$

- Ans**
- ☒ 1. $\frac{73}{27}$
 - ☒ 2. $\frac{73}{8}$
 - ☒ 3. $\frac{73}{9}$
 - ☒ 4. $\frac{73}{21}$

Q.5 12.75% is equivalent to _____.

Ans

✓ 1. $\frac{51}{400}$

✗ 2. $\frac{37}{400}$

✗ 3. $\frac{17}{200}$

✗ 4. $\frac{41}{400}$

Q.6 $\frac{3 \cos^3 \theta - 2 \cos \theta}{\sin \theta - 3 \sin^3 \theta}$ is equal to:

Ans

✗ 1. $\tan \theta$

✗ 2. $\tan^2 \theta$

✗ 3. $\cot^2 \theta$

✓ 4. $\cot \theta$

Q.7 Which is the greatest ratio among the following?

$\frac{8}{11}, \frac{4}{5}, \frac{1}{2}$ and $\frac{1}{11}$

Ans

✗ 1. $\frac{8}{11}$

✓ 2. $\frac{4}{5}$

✗ 3. $\frac{1}{2}$

✗ 4. $\frac{1}{11}$

Q.8 A dealer buys an article listed at ₹100 and get successive discounts of 10% and 20%. He spends 10% of the cost price on transportation. At what price should he sell the article to earn a profit of 15%?

Ans

✗ 1. ₹89.08

✗ 2. ₹81.07

✓ 3. ₹91.08

✗ 4. ₹76.07

Q.9 For a given circle of radius 4 cm, the angle of its sector is 45° . Find the area (in cm^2) of the sector. (Use $\pi = 3.14$.)

Ans

✗ 1. 7.28

✓ 2. 6.28

✗ 3. 6.18

✗ 4. 7.18

Q.10 An amount of ₹50,000 becomes ₹72,000 in 4 years on a simple rate of interest. The rate of interest is _____ per annum.

- Ans
- ☐ 1. 9%
 - ☐ 2. 10%
 - ☐ 3. 12%
 - ☒ 4. 11%

Q.11 A seven-digit number 489y5z6 is divisible by 72. Which of the options gives the highest possible product of y and z?

- Ans
- ☐ 1. 21
 - ☐ 2. 30
 - ☒ 3. 42
 - ☐ 4. 3

Q.12 A and B can complete a piece of work in 12 days. B and C can complete the same work in 15 days and C and A in 10 days. How many days will A take to complete the work by himself?

- Ans
- ☒ 1. $17\frac{1}{7}$
 - ☐ 2. $9\frac{1}{8}$
 - ☐ 3. $13\frac{3}{7}$
 - ☐ 4. $16\frac{1}{7}$

Q.13 If the cost of an item priced at ₹1,000 first increases by 10% and then again increases by 20% and finally decreases by 25%, then what will be the final price of the item?

- Ans
- ☐ 1. ₹970
 - ☒ 2. ₹990
 - ☐ 3. ₹980
 - ☐ 4. ₹1,050

Q.14 PQ is parallel to SR in a trapezium PQRS. It is given that $PQ > SR$ and the diagonals PR and QS intersect at O. If $PO = 3x - 15$, $OQ = x + 9$, $OR = x - 5$ and $OS = 5$ and x has two values x_1 and x_2 , then the value of $(x_1^2 - x_2^2)$ is:

- Ans
- ☒ 1. 11
 - ☐ 2. 13
 - ☐ 3. 19
 - ☐ 4. 15

Q.15 If the average of 50 numbers $N_1, N_2, \dots, N_{50}$ is M. Then the average of the numbers $N_1-100, N_2-100, \dots, N_{50}-100$ will be:

- Ans
- ☐ 1. 100M
 - ☐ 2. 50M
 - ☒ 3. $M - 100$
 - ☐ 4. $M - 50$

Q.16 If the income of P is 40% less than Q, then the combined income of P and Q is how much per cent more than the income of P?

- Ans
- ☐ 1. $164\frac{2}{3}$
 - ☒ 2. $166\frac{2}{3}$
 - ☐ 3. $164\frac{1}{3}$
 - ☐ 4. $166\frac{1}{3}$

Q.17 If the perimeter of a square is 64 cm, what would be its area?

- Ans
- ☒ 1. 256 cm^2
 - ☐ 2. 266 cm^2
 - ☐ 3. 206 cm^2
 - ☐ 4. 216 cm^2

Q.18 By selling 30 metres of cloth a shopkeeper makes a profit equivalent to the selling price of 10 metres of cloth. Find the selling price of 1 metre of cloth when the cost price of 1 metre of cloth is ₹480.

- Ans
- ☐ 1. ₹520
 - ☐ 2. ₹820
 - ☐ 3. ₹960
 - ☒ 4. ₹720

Q.19 Solve the following system of linear equations:

$$x + y + z = 15, 2x - y + z = 12 \text{ and } x - y - z = -1$$

- Ans
- ☐ 1. $x = 7, y = 2, z = 3$
 - ☒ 2. $x = 7, y = 5, z = 3$
 - ☐ 3. $x = 2, y = 5, z = 3$
 - ☐ 4. $x = 7, y = 5, z = 1$

Q.20 Richa spends 70% of her income on food and 20% of the remaining on dresses, every month. If she gives the remaining amount of ₹7,200 every month to her parents, then how much is her annual earning?

- Ans
- ☒ 1. ₹3,60,000
 - ☐ 2. ₹3,20,000
 - ☐ 3. ₹2,80,000
 - ☐ 4. ₹3,00,000

Q.21 AB and AC are two tangents to a circle having centres at the point X. What will be the measure of $\angle BAC$, if $\angle BXC = 125^\circ$?

- Ans
- ☐ 1. 52°
 - ☐ 2. 50°
 - ☐ 3. 48°
 - ☒ 4. 55°

Q.22 In ΔABC , if $2\angle A = 4\angle B = 12\angle C$, then $\angle A$, $\angle B$, and $\angle C$, respectively, are:

- Ans**
- ☒ 1. 108° , 54° , and 18°
 - ☐ 2. 100° , 60° , and 20°
 - ☐ 3. 90° , 55° , and 35°
 - ☐ 4. 72° , 36° , and 12°

Q.23 In an 800 m race, the ratio of the speeds of two contestants Ankur and Neha is 5 : 6. If Ankur has a head-start of 200 m, then Ankur will win by _____.

- Ans**
- ☐ 1. 69 m
 - ☒ 2. 80 m
 - ☐ 3. 76 m
 - ☐ 4. 89 m

Q.24 What is the largest 6-digit number divisible by 36?

- Ans**
- ☐ 1. 999999
 - ☐ 2. 988889
 - ☒ 3. 999972
 - ☐ 4. 100000

Q.25 If the radius of a sphere is increased by 12 percent, then the volume will be increased by approximately:

- Ans**
- ☐ 1. 45.49 percent
 - ☐ 2. 42.5 percent
 - ☒ 3. 40.49 percent
 - ☐ 4. 41.49 percent

Section : **General Awareness**

Q.1 The Maritime Anti-Piracy Act, 2022, received the assent of the President on _____.

- Ans**
- ☐ 1. 30 April 2023
 - ☒ 2. 31 January 2023
 - ☐ 3. 31 December 2022
 - ☐ 4. 31 March 2023

Q.2 Which Article of the Constitution mentions about establishing and maintaining institutions for religious and charitable purposes?

- Ans**
- ☒ 1. Article 26
 - ☐ 2. Article 29
 - ☐ 3. Article 30
 - ☐ 4. Article 28

Q.3 _____ is a form of Sikh festival.

- Ans**
- ☐ 1. Khamaj
 - ☒ 2. Hola Mohalla
 - ☐ 3. Kalyan
 - ☐ 4. Bhairav

Q.4 Which of the following is the default alignment of text in a Microsoft Word document?

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

Q.5 The Deccan Plateau is a _____ landmass that lies to the south of the river Narmada.

- Ans**
- ☐ 1. hexagonal
 - ☐ 2. rectangular
 - ☒ 3. triangular
 - ☐ 4. quadrilateral

Q.6 Which city is referred to as the 'Manchester of India'?

- Ans**
- ☐ 1. Kanpur
 - ☐ 2. Kolkata
 - ☐ 3. Mumbai
 - ☒ 4. Ahmedabad

Q.7 Good Friday is related to:

- Ans**
- ☒ 1. Christianity
 - ☐ 2. Jainism
 - ☐ 3. Hinduism
 - ☐ 4. Sikhism

Q.8 In which state is the Raika tribe found?

- Ans**
- ☐ 1. West Bengal
 - ☐ 2. Kerala
 - ☒ 3. Rajasthan
 - ☐ 4. Manipur

Q.9 Where was India's first hockey club founded?

- Ans**
- ☒ 1. Calcutta
 - ☐ 2. Madras
 - ☐ 3. Delhi
 - ☐ 4. Shimla

Q.10 In a situation wherein A (female) and B (male) are working in same office, same designation, same nature of work but unequal payment, which of the following Articles of the Constitution will be applicable?

- Ans**
- ☐ 1. Article 18
 - ☒ 2. Article 39(d)
 - ☐ 3. Article 48A
 - ☐ 4. Article 21

Q.11 Which of the following is an example of application software?

- Ans**
- ☐ 1. An operating system
 - ☐ 2. A web browser
 - ☒ 3. A word processor
 - ☐ 4. A programming language

Q.12 The proclamation of which Act by the King of England in 1773 paved the way for the establishment of the Supreme Court at Calcutta?

- Ans**
- ☒ 1. Regulating Act
 - ☐ 2. Indian Councils Act
 - ☐ 3. Charter Act
 - ☐ 4. Pitt's India Act

Q.13 Which of the following is issued by commercial banks at a discount on face value?

- Ans**
- ☒ 1. Certificates of deposits
 - ☐ 2. Commercial papers
 - ☐ 3. Treasury bills
 - ☐ 4. Promissory notes

Q.14 The Green Revolution led to an increase in the agricultural output primarily due to the use of HYV seeds. Here, HYV refers to:

- Ans**
- ☐ 1. Heat Yielding Variant
 - ☐ 2. High Yielding Variance
 - ☐ 3. High Yield Variant
 - ☒ 4. High Yielding Variety

Q.15 Ursa Major is a/an:

- Ans**
- ☐ 1. comet
 - ☒ 2. constellation
 - ☐ 3. asteroid
 - ☐ 4. stellite

Q.16 The government of which state started the Tansen Samman?

- Ans**
- ☐ 1. Uttar Pradesh
 - ☒ 2. Madhya Pradesh
 - ☐ 3. Arunachal Pradesh
 - ☐ 4. Himachal Pradesh

Q.17 As per the Census-2011, the population growth during the decade remained _____.

- Ans**
- ☐ 1. 15.30%
 - ☒ 2. 17.64%
 - ☐ 3. 14.25%
 - ☐ 4. 18.30%

Q.18 The term 'banana kick' is associated with which sport?

- Ans**
- ☐ 1. Ice Hockey
 - ☒ 2. Football
 - ☐ 3. Boxing
 - ☐ 4. Hockey

Q.19 Which of the following statements about the Pala Dynasty of eastern India is INCORRECT?

- Ans**
- ☐ 1. The Pala kings were the followers of Buddhism.
 - ☐ 2. The Pala dynasty was founded by Gopala.
 - ☒ 3. Dharmapala founded the Valabhi university.
 - ☐ 4. Devapala was the grandson of Gopala.

Q.20 Which of the following folk music of Chhattisgarh is based on the epic Mahabharata?

- Ans**
- ☐ 1. Ghumar
 - ☐ 2. Maand
 - ☐ 3. Paani Haari
 - ☒ 4. Pandavani

Q.21 Who developed the technique of preserving the quality of food by raising its temperature to prevent microbial growth in the food?

- Ans**
- ☐ 1. Robert Koch
 - ☐ 2. Joseph Lister
 - ☐ 3. Antonie van Leeuwenhoek
 - ☒ 4. Louis Pasteur

Q.22 Where did the indigenous sport 'Kalaripayattu' originate from?

- Ans**
- ☒ 1. Kerala
 - ☐ 2. Tamil Nadu
 - ☐ 3. Karnataka
 - ☐ 4. Goa

Q.23 Which Section of the Representation of People's Act (RPA), 1951 deprives the prisoners of their right to vote?

- Ans**
-  1. Section 10 (4)
 -  2. Section 72 (5)
 -  3. Section 62 (5)
 -  4. Section 15 (3)

Q.24 In January 2022, which evacuation mission did the government of India launch to evacuate the Indians stranded in Ukraine?

- Ans**
-  1. Operation Vande Bharat
 -  2. Operation Raahat
 -  3. Operation Ganga
 -  4. Operation Safe Homecoming

Q.25 For which discovery did Henri Becquerel receive the Nobel Prize in Physics in 1903?

- Ans**
-  1. Radium Emanation
 -  2. Spontaneous Radioactivity
 -  3. Radioactive Elements
 -  4. Diagnostic Radiography

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	04/07/2024
Exam Time	9:00 AM - 10:00 AM
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.

My students are / waiting for / their flights / at the gate no. 6.

- Ans**
- ☒ 1. My students are
 - ☒ 2. at the gate no. 6.
 - ☒ 3. their flights
 - ☒ 4. waiting for

Q.2 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.
I am sure / that he will praying / for a good crop / this year.

- Ans**
- ☒ 1. for a good crop
 - ☒ 2. I am sure
 - ☒ 3. this year.
 - ☒ 4. that he will praying

Q.3 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
I am very much / obliged of my friend / for the help / he rendered to me.

- Ans**
- ☒ 1. I am very much
 - ☒ 2. obliged of my friend
 - ☒ 3. he rendered to me
 - ☒ 4. for the help

Q.4 Parts of the following sentence have been underlined and given as options. Select the option that contains an error.
She will being studying for her exams tomorrow.

- Ans**
- ☒ 1. studying
 - ☒ 2. tomorrow
 - ☒ 3. will being
 - ☒ 4. exams

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.

Oil is almost certainly one of the ocean's greatest resources. 33% of the world's oil comes from seaward fields in seas. Oils are liquids that easily burn and do not (1)_____ in water. Most of the time, they are made of chains of carbon and hydrogen atoms. There are three (2)_____ types of oils: mineral, essential and fixed oils. From plants, essential oils are thin, scented oils. Because they frequently have an odour, essential oils are (3)_____ in perfumery and food flavouring. Aromatic extraction processes like cold pressing, distillation and extraction are typically used to prepare essential oils. Fatty acids are used by animals and plants to make fixed oils. They are especially non-volatile oils that are found in the seeds of cotton, corn, flax, sunflowers, peanuts, coconuts and olives, as well as in fatty animal tissues. Mineral oils are (4)_____ from petroleum which has been underground for millions of years from sea organism skeletons. Mineral oils are one of the petroleum by-products with the lowest prices. Mineral oils are colourless and transparent. They are made up of a (5)_____ of hydrocarbons.

SubQuestion No : 5

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

- Ans**
- ☒ 1. evaporate
 - ☒ 2. dissolve
 - ☒ 3. melt
 - ☒ 4. diffuse

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.

Oil is almost certainly one of the ocean's greatest resources. 33% of the world's oil comes from seaward fields in seas. Oils are liquids that easily burn and do not (1)_____ in water. Most of the time, they are made of chains of carbon and hydrogen atoms. There are three (2)_____ types of oils: mineral, essential and fixed oils. From plants, essential oils are thin, scented oils. Because they frequently have an odour, essential oils are (3)_____ in perfumery and food flavouring. Aromatic extraction processes like cold pressing, distillation and extraction are typically used to prepare essential oils. Fatty acids are used by animals and plants to make fixed oils. They are especially non-volatile oils that are found in the seeds of cotton, corn, flax, sunflowers, peanuts, coconuts and olives, as well as in fatty animal tissues. Mineral oils are (4)_____ from petroleum which has been underground for millions of years from sea organism skeletons. Mineral oils are one of the petroleum by-products with the lowest prices. Mineral oils are colourless and transparent. They are made up of a (5)_____ of hydrocarbons.

SubQuestion No : 6

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

- Ans**
- ☐ 1. original
 - ☐ 2. initial
 - ☒ 3. primary
 - ☐ 4. early

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.

Oil is almost certainly one of the ocean's greatest resources. 33% of the world's oil comes from seaward fields in seas. Oils are liquids that easily burn and do not (1)_____ in water. Most of the time, they are made of chains of carbon and hydrogen atoms. There are three (2)_____ types of oils: mineral, essential and fixed oils. From plants, essential oils are thin, scented oils. Because they frequently have an odour, essential oils are (3)_____ in perfumery and food flavouring. Aromatic extraction processes like cold pressing, distillation and extraction are typically used to prepare essential oils. Fatty acids are used by animals and plants to make fixed oils. They are especially non-volatile oils that are found in the seeds of cotton, corn, flax, sunflowers, peanuts, coconuts and olives, as well as in fatty animal tissues. Mineral oils are (4)_____ from petroleum which has been underground for millions of years from sea organism skeletons. Mineral oils are one of the petroleum by-products with the lowest prices. Mineral oils are colourless and transparent. They are made up of a (5)_____ of hydrocarbons.

SubQuestion No : 7

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

- Ans**
- ☐ 1. employed
 - ☐ 2. operated
 - ☐ 3. applied
 - ☒ 4. utilised

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.

Oil is almost certainly one of the ocean's greatest resources. 33% of the world's oil comes from seaward fields in seas. Oils are liquids that easily burn and do not (1)_____ in water. Most of the time, they are made of chains of carbon and hydrogen atoms. There are three (2)_____ types of oils: mineral, essential and fixed oils. From plants, essential oils are thin, scented oils. Because they frequently have an odour, essential oils are (3)_____ in perfumery and food flavouring. Aromatic extraction processes like cold pressing, distillation and extraction are typically used to prepare essential oils. Fatty acids are used by animals and plants to make fixed oils. They are especially non-volatile oils that are found in the seeds of cotton, corn, flax, sunflowers, peanuts, coconuts and olives, as well as in fatty animal tissues. Mineral oils are (4)_____ from petroleum which has been underground for millions of years from sea organism skeletons. Mineral oils are one of the petroleum by-products with the lowest prices. Mineral oils are colourless and transparent. They are made up of a (5)_____ of hydrocarbons.

SubQuestion No : 8

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

- Ans**
- ☒ 1. produced
 - ☐ 2. renewed
 - ☐ 3. fabricated
 - ☐ 4. invented

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.

Oil is almost certainly one of the ocean's greatest resources. 33% of the world's oil comes from seaward fields in seas. Oils are liquids that easily burn and do not (1) _____ in water. Most of the time, they are made of chains of carbon and hydrogen atoms. There are three (2) _____ types of oils: mineral, essential and fixed oils. From plants, essential oils are thin, scented oils. Because they frequently have an odour, essential oils are (3) _____ in perfumery and food flavouring. Aromatic extraction processes like cold pressing, distillation and extraction are typically used to prepare essential oils. Fatty acids are used by animals and plants to make fixed oils. They are especially non-volatile oils that are found in the seeds of cotton, corn, flax, sunflowers, peanuts, coconuts and olives, as well as in fatty animal tissues. Mineral oils are (4) _____ from petroleum which has been underground for millions of years from sea organism skeletons. Mineral oils are one of the petroleum by-products with the lowest prices. Mineral oils are colourless and transparent. They are made up of a (5) _____ of hydrocarbons.

SubQuestion No : 9

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

- Ans
- ☒ 1. collaboration
 - ☒ 2. combination
 - ☒ 3. association
 - ☒ 4. cooperation

Q.10 Select the most appropriate option to fill in the blank.

A sailor was _____ through the high tides.

- Ans
- ☒ 1. sailing
 - ☒ 2. ceiling
 - ☒ 3. selling
 - ☒ 4. swelling

Q.11 Select the most appropriate homophone to fill in the blank.
Namita still cannot _____ the pain of her cat's untimely demise.

- Ans
- ☒ 1. bear
 - ☒ 2. bare
 - ☒ 3. bier
 - ☒ 4. beer

Q.12 Fill in the blank with the most appropriate ANTONYM of the underlined word.

Gentlemen always go for a lawful approach, but rouses choose _____ ways to solve problems.

- Ans
- ☒ 1. legitimate
 - ☒ 2. illicit
 - ☒ 3. legal
 - ☒ 4. sophisticated

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

- Ans
- ☒ 1. Result
 - ☒ 2. Tumult
 - ☒ 3. Occult
 - ☒ 4. Fault

Q.14 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'.

Applications are to be sent to the school's e-mail ID before 30th June.

- Ans
- ☒ 1. would be send to
 - ☒ 2. is sending
 - ☒ 3. No substitution required
 - ☒ 4. will be send to

Q.15 Select the correct spelling of the underlined word in the following sentence.
I am contant with my day's work.

- Ans**
- ☐ 1. contante
 - ☐ 2. contint
 - ☐ 3. cuntent
 - ☒ 4. content

Q.16 Select the most appropriate option that can substitute the underlined segment in the given sentence.
He lived on the bank of a mighty river, broad and deep, that have always silently rolling on to a vast undiscovered ocean.

- Ans**
- ☒ 1. which was always silently rolling
 - ☐ 2. which were always silently rolling
 - ☐ 3. that were always silently rolling
 - ☐ 4. what has always silently rolling

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence.
If you are thinking about investing in share markets, isn't it make sense to find an expert?

- Ans**
- ☒ 1. doesn't it
 - ☐ 2. is it
 - ☐ 3. did it
 - ☐ 4. do it

Q.18 Replace the underlined word in the given sentence with an appropriate synonym from the options listed below.
They gave us the impression that Clara was a cold and calculating woman, who was only after power.

- Ans**
- ☒ 1. manipulative
 - ☐ 2. unscrupulous
 - ☐ 3. callous
 - ☐ 4. unsympathetic

Q.19 Select the most appropriate option to fill in the blank.

The _____ in my shoelace created a lot of trouble.

- Ans**
- ☐ 1. naught
 - ☒ 2. knot
 - ☐ 3. not
 - ☐ 4. nought

Q.20 Select the most appropriate ANTONYM of the given word.
Important

- Ans**
- ☐ 1. Productive
 - ☐ 2. Recurring
 - ☒ 3. Trivial
 - ☐ 4. Significant

Q.21 Select the most appropriate option that can substitute the underlined segment in the given sentence.
The painting look good in this room.

- Ans**
- ☐ 1. have looking
 - ☐ 2. looking
 - ☒ 3. looks
 - ☐ 4. had look

Q.22 Select the most appropriate meaning of the underlined idiom in the following sentence.
Independence Day is considered as a red-letter day in the history of India.

- Ans**
- ☐ 1. Uneventful day
 - ☐ 2. Regular day
 - ☐ 3. Unimportant day
 - ☒ 4. Memorable day

Q.23 Select the most appropriate option to fill in the blank.

The crowd gave them a _____ of applause.

- Ans
- ☒ 1. round
 - ☐ 2. yell
 - ☐ 3. load
 - ☐ 4. laugh

Q.24 Select the INCORRECTLY spelt word.

- Ans
- ☐ 1. Adulterous
 - ☒ 2. Advertisement
 - ☐ 3. Amendment
 - ☐ 4. Astounding

Q.25 Select the most appropriate meaning of the underlined idiom.
Vishnu and Vignesh are always like two peas in a pod.

- Ans
- ☒ 1. Very similar to each other
 - ☐ 2. Smart and intelligent
 - ☐ 3. Good in every way
 - ☐ 4. Happy and compassionate

Section : **General Intelligence**

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

RST VZW ZGZ DNC ?

- Ans
- ☐ 1. ALF
 - ☐ 2. MOC
 - ☒ 3. HUF
 - ☐ 4. COD

Q.2 Select the correct mirror image of the given combination when the mirror is placed at 'MN' as shown below.

M
|
9 G r E c A n
|
N

- Ans
- ☒ 1. n A c E 1 0 9
 - ☐ 2. n A c E 1 G 9
 - ☐ 3. A n c E 1 0 9
 - ☐ 4. n A c E 1 0 9

Q.3 In a certain code language, 'I missed breakfast' is written as 'nl zn kq' and 'train is missed' is written as 'zm kg nl'. How is 'missed' written in the given language?

- Ans
- ☐ 1. zn
 - ☒ 2. nl
 - ☐ 3. zm
 - ☐ 4. kq

Q.4 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?

$$32 \text{ B } 4 \text{ D } 116 \text{ A } 2 \text{ C } 13 = ?$$

- Ans**
- ☐ 1. 82
 - ☒ 2. 83
 - ☐ 3. 84
 - ☐ 4. 81

Q.5 In a certain code language,
'M & N' means 'M is the wife of N',
'M @ N' means 'M is the brother of N',
'M \$ N' means 'M is the father of N',
'M # N' means 'M is the son of N'.
Based on the above, how is T related to G if 'T @ S # M & N \$ G'?

- Ans**
- ☐ 1. Father's brother
 - ☐ 2. Son
 - ☐ 3. Father
 - ☒ 4. Brother

Q.6 The position of how many letters will remain unchanged if each of the letters in the word SOUNDBAR is arranged in alphabetical order?

- Ans**
- ☒ 1. One
 - ☐ 2. Four
 - ☐ 3. Two
 - ☐ 4. Three

Q.7 If 16 July 2001 is Monday, then what will be the day of the week on 23 December 2006?

- Ans**
- ☐ 1. Thursday
 - ☐ 2. Wednesday
 - ☐ 3. Monday
 - ☒ 4. Saturday

Q.8 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.)
Palate : Mouth

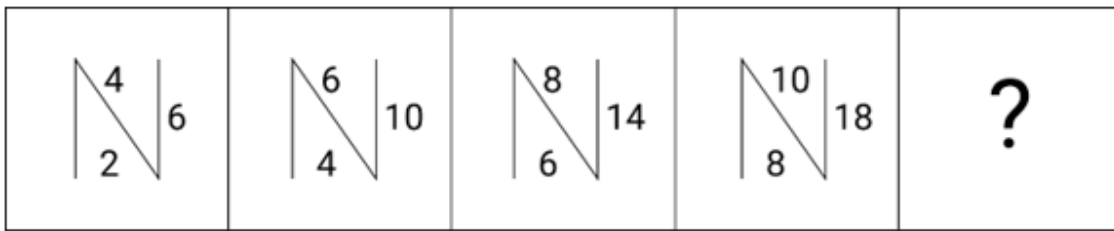
- Ans**
- ☒ 1. Ceiling : Room
 - ☐ 2. Rainbow : Sky
 - ☐ 3. Rivulet : Dam
 - ☐ 4. Hill : Range

Q.9 Select the combination of letters that when sequentially placed in the blanks of the given series will logically complete the series.

_ F _ G E E _ E _ E E F _ G E E _ E G _

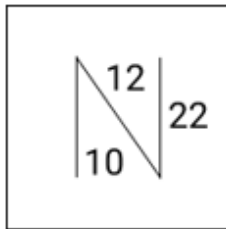
- Ans**
- ☒ 1. EEFGFEFE
 - ☐ 2. FEFGFFE
 - ☐ 3. EFFGFEEF
 - ☐ 4. EFGFEFEF

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

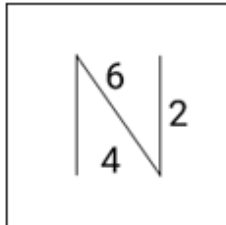


Ans

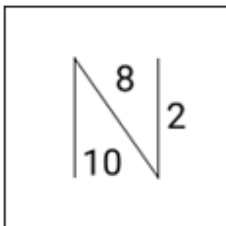
✓ 1.



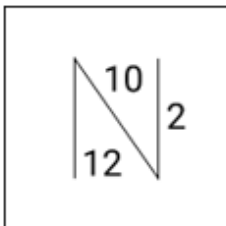
✗ 2.



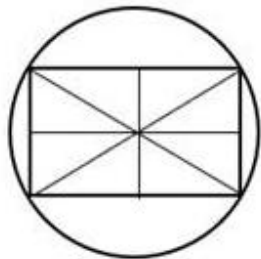
✗ 3.



✗ 4.



Q.11 How many rectangles are there in the given figure?



Ans ✓ 1. 9

✗ 2. 8

✗ 3. 7

✗ 4. 6

Q.12 What would be the word on the opposite side of 'Eat' if the given sheet is folded to form a cube?



- Ans
- ☒ 1. Pray
 - ☒ 2. Fly
 - ☒ 3. Play
 - ☒ 4. Cry

Q.13 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)

India : Mango

- Ans
- ☒ 1. Australia : Grapes
 - ☒ 2. New Zealand : Kiwi
 - ☒ 3. France : Apple
 - ☒ 4. Greece : Banana

Q.14 What should come in place of the question mark (?) in the given series?

13, 22, 33, 46, ?, 78, 97

- Ans
- ☒ 1. 60
 - ☒ 2. 65
 - ☒ 3. 61
 - ☒ 4. 56

Q.15 If 'J' stands for '+', 'V' stands for 'x', 'K' stands for '+' and 'A' stands for '-', what will come in place of the question mark (?) in the following equation?
12 J 2 K 17 A 15 V 19 = ?

- Ans
- ☒ 1. -262
 - ☒ 2. -75
 - ☒ 3. -776
 - ☒ 4. -76

Q.16 Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☒ 1. EGJ
 - ☒ 2. HJN
 - ☒ 3. PRV
 - ☒ 4. GIM

Q.17 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.18 In a certain code language, 'MOAT' is coded as '8652' and 'TRAM' is coded as '4256'. What is the code for 'R' in the given code language?

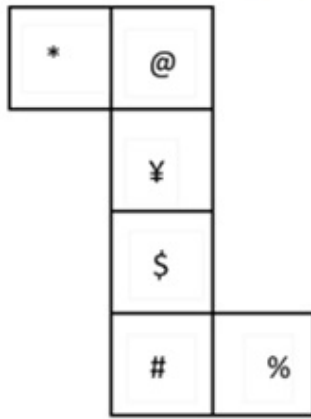
Ans ✓ 1. 4

✗ 2. 6

✗ 3. 2

✗ 4. 8

Q.19 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.20 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- ✓ 1.
 - ✗ 2.
 - ✗ 3.
 - ✗ 4.

Q.21 529 is related to 23 following a certain logic. Following the same logic, 324 is related to 18. To which of the following is 625 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. 27
 - ✗ 2. 23
 - ✗ 3. 35
 - ✓ 4. 25

Q.22 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.)
(5, 25, 50)
(8, 64, 128)

- Ans
- ✗ 1. (12, 144, 298)
 - ✗ 2. (12, 134, 288)
 - ✓ 3. (12, 144, 288)
 - ✗ 4. (12, 144, 278)

Q.23 What should come in place of the question mark (?) in the given series?

22, 24, 28, 30, 34, ?

- Ans
- ☐ 1. 37
 - ☐ 2. 35
 - ☒ 3. 36
 - ☐ 4. 38

Q.24 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:

All rings are bangles.

Some bangles are anklets.

No anklet is a pendant.

Conclusions:

(I) All rings being anklets is a possibility.

(II) All bangles can never be pendants.

- Ans
- ☐ 1. Only conclusion II follows
 - ☐ 2. Only conclusion I follows
 - ☐ 3. None of the conclusions follow
 - ☒ 4. Both conclusions I and II follow

Q.25 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '−' and '÷' are interchanged?

$$35 \times 96 - 8 + 3 \div 11 = ?$$

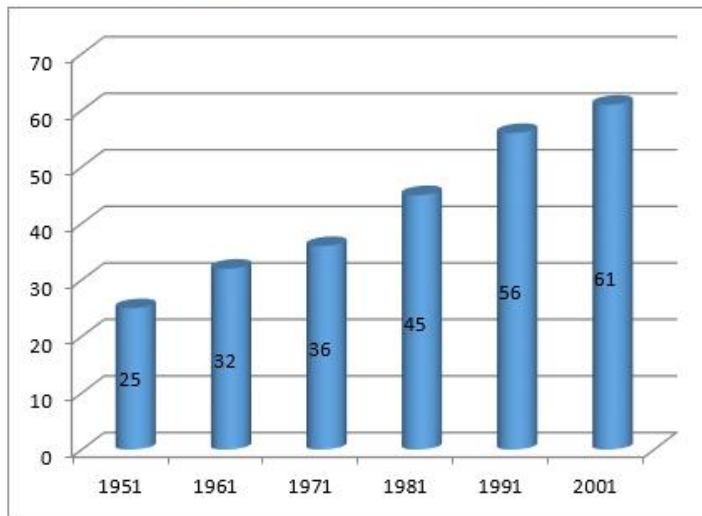
- Ans
- ☒ 1. 60
 - ☐ 2. 42
 - ☐ 3. 40
 - ☐ 4. 55

Section : Quantitative Aptitude

Q.1 What is the value of $\tan 570^\circ$?

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

Q.2 The following bar graph represents the population of a city (in lakhs) as per the census across different years.



What is the per cent increase in population from 1951 to 2001?

- Ans
- ☒ 1. 144%
 - ☐ 2. 35%
 - ☐ 3. 22%
 - ☐ 4. 120%

Q.3 Given below is the observed data of the ages of various children.

Age in years	Number of children
6	8
7	3
8	7
9	2
10	20

What is the mean of the ages of the children?

- Ans
- ☐ 1. 5.575 years
 - ☒ 2. 8.575 years
 - ☐ 3. 7.575 years
 - ☐ 4. 6.575 years

Q.4 The edges of a rectangular box are in the ratio of 3 : 5 : 8, and its surface area is 632 cm^2 . What will be the volume of the box?

- Ans
- ☐ 1. 801 cm^3
 - ☐ 2. 510 cm^3
 - ☒ 3. 960 cm^3
 - ☐ 4. 990 cm^3

Q.5 In the year 2000, Monu was 3 times his sister's age. In 2010, he was 24 years older than her. Find Monu's age in 2010.

- Ans
- ☐ 1. 62 years
 - ☐ 2. 52 years
 - ☒ 3. 46 years
 - ☐ 4. 38 years

Q.6 Three solid cubes of metal have sides 6 cm, 8 cm and 10 cm, respectively. They are melted to form a new cube. What is the surface area of this new cube?

- Ans**
-  1. 950 cm^2
 -  2. 864 cm^2
 -  3. 915 cm^2
 -  4. 812 cm^2

Q.7 A box filled with gift articles weighs 25 kg. If the weight of the box and the gift articles, respectively, are in the ratio 1 : 9, then the weight of the articles (in grams) is:

- Ans**
-  1. 24500
 -  2. 22500
 -  3. 23500
 -  4. 21500

Q.8 If the diameter of the base and curved surfaced area of a cylinder are 14cm and 352 cm^2 , respectively, then the total surface area of the cylinder is equal to:

- Ans**
-  1. 760 cm^2
 -  2. 654 cm^2
 -  3. 754 cm^2
 -  4. 660 cm^2

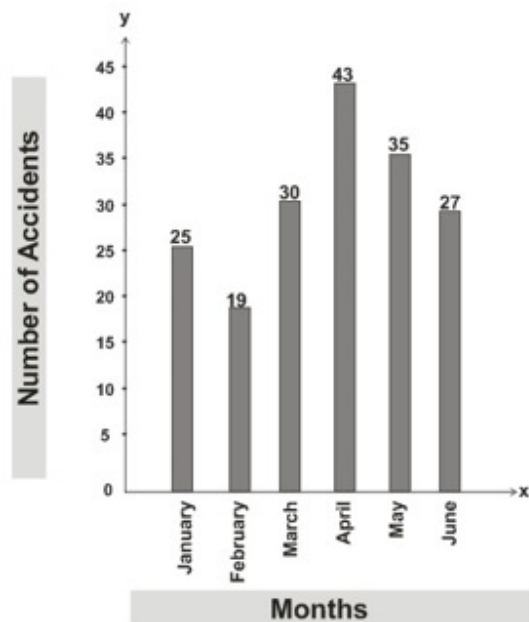
Q.9 Find the average of natural numbers from 1 to 69. (both included)

- Ans**
-  1. 33
 -  2. 35
 -  3. 37
 -  4. 31

Q.10 A person spends 10% of his income on groceries, 10% on medicines, 20% on children's education, 15% on house rent, and he saves the remaining amount. If his monthly income is ₹30,000, find his savings.

- Ans**
-  1. ₹15,500
 -  2. ₹16,500
 -  3. ₹12,500
 -  4. ₹13,500

- Q.11 The given bar graph shows the number of accidents in a city during the first 6 months of a year. Examine the bar graph and answer the question.



What is the percentage of accidents in the month of April with respect to the total accidents in the city during six months? (Correct to nearest integer)

- Ans
- ☐ 1. 22%
 - ☒ 2. 24%
 - ☐ 3. 15%
 - ☐ 4. 20%

- Q.12 The number nearest to 7658 and exactly divisible by 45 is:

- Ans
- ☐ 1. 7645
 - ☐ 2. 7640
 - ☒ 3. 7650
 - ☐ 4. 7660

- Q.13 A and B can complete a piece of work in 15 days, B and C in 30 days and C and A in 45 days. In how many days will they complete the work if they start working together?

- Ans
- ☐ 1. $11\frac{2}{3}$
 - ☐ 2. $11\frac{1}{3}$
 - ☒ 3. $16\frac{4}{11}$
 - ☐ 4. $8\frac{3}{11}$

- Q.14 A clock is sold for ₹550 cash or in the instalment scheme, for ₹250 cash down payment and ₹310 after one month. Find the rate of interest charged in the instalment scheme.

- Ans
- ☐ 1. 20%
 - ☒ 2. 40%
 - ☐ 3. 35%
 - ☐ 4. 45%

Q.15 There is a circle with a centre T and a radius of 8 cm. Two tangents KE and KI are drawn from point K, which is 17 cm from the centre. The area of the quadrilateral TEKI is:

- Ans
- ☐ 1. 127.5 sq.cm
 - ☐ 2. 130 sq.cm
 - ☐ 3. 136 sq.cm
 - ☒ 4. 120 sq.cm

Q.16 Which of the following numbers is divisible by 22?

- Ans
- ☐ 1. 654320
 - ☐ 2. 602351
 - ☐ 3. 645372
 - ☒ 4. 893002

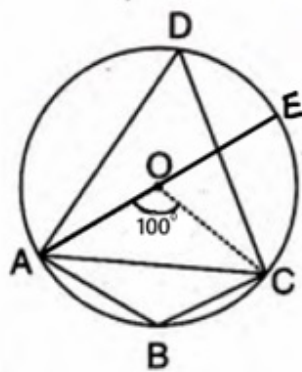
Q.17 Convert 28% into the form of ratio.

- Ans
- ☐ 1. 7 : 18
 - ☐ 2. 18 : 7
 - ☒ 3. 7 : 25
 - ☐ 4. 25 : 7

Q.18 In a state election between two parties, 83% of the voters cast their votes, out of which 4% of the votes were declared invalid. Party A got 156611 votes which were 83% of the total valid votes. Find the total number of votes enrolled in that election. (Consider integer part only)

- Ans
- ☐ 1. 2,34,888
 - ☐ 2. 2,58,233
 - ☒ 3. 2,36,807
 - ☐ 4. 23,46,807

Q.19 In the given figure, O is the centre of the circle, AE is the diameter and $\angle AOC = 100^\circ$.



The value of $\angle CDE + \angle CEA$ is:

- Ans
- ☒ 1. 90°
 - ☐ 2. 100°
 - ☐ 3. 60°
 - ☐ 4. 80°

Q.20 If 70% of the cost price of an article is equal to 40% of its selling price, what is the profit percentage?

- Ans
- ☐ 1. 80%
 - ☐ 2. 85%
 - ☒ 3. 75%
 - ☐ 4. 70%

Q.21 Gaurav marks his goods 50% above the cost price and offers a discount of 30% on the marked price to his customers. What is his percentage gain?

- Ans
- ☐ 1. 2%
 - ☐ 2. 3%
 - ☒ 3. 5%
 - ☐ 4. 4%

Q.22 Shankar covers a certain distance by a car driving at 40 km/h and he returns to the starting point riding on a scooter with a speed of 20 km/h. Find the average speed of the whole journey.

- Ans
- ☐ 1. $24\frac{2}{3}$ km/h
 - ☐ 2. $22\frac{2}{3}$ km/h
 - ☒ 3. $26\frac{2}{3}$ km/h
 - ☐ 4. $29\frac{2}{3}$ km/h

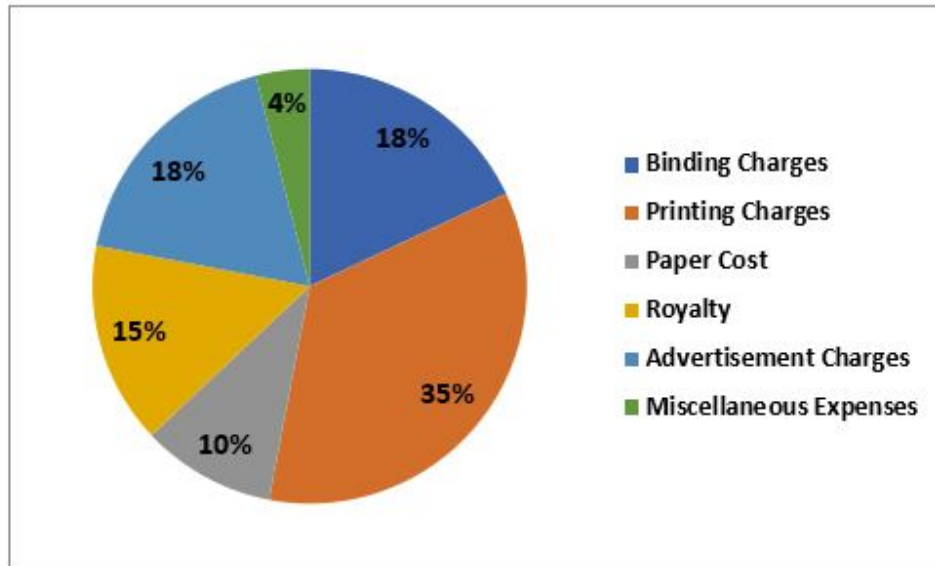
Q.23 $\triangle ABC$ is a right-angled triangle where $m\angle ABC = 90^\circ$. If $m(\overline{AB}) = 15$ cm, $m(\overline{BC}) = 20$ cm, and $\overline{BD} \perp \overline{AC}$, intersecting $\overline{AC}$ at the point D, find $m(\overline{BD})$ (in cm).

- Ans
- ☐ 1. 9
 - ☐ 2. 12.5
 - ☒ 3. 12
 - ☐ 4. 10

Q.24 A man looks at the reflection of the top of the lamp-post on the mirror that is 6.6 m away from the foot of the lamppost. The man's height is 1.25 m and he is standing 2 m away from the mirror. Assuming that the mirror is placed on the ground, facing the sky and the man, and that the mirror and the lamp-post are in a same line, find the height of the lamp-post (in metres).

- Ans
- ☐ 1. 3.97
 - ☐ 2. 4.28
 - ☐ 3. 4.45
 - ☒ 4. 4.13

Q.25 The pie chart, given here, shows the various expenses of a publisher in the production of a magazine.



What is the difference between the measures of the central angles of sectors for binding charges and paper cost?

- Ans
- ☐ 1. 28.6°
 - ☐ 2. 27.2°
 - ☐ 3. 27.6°
 - ☒ 4. 28.8°

Section : **General Awareness**

Q.1 In February 2023, Shiv Pratap Shukla was appointed governor of which state?

- Ans
- ☐ 1. Haryana
 - ☒ 2. Himachal Pradesh
 - ☐ 3. Tamil Nadu
 - ☐ 4. Bihar

Q.2 The Office of the Registrar General and Census Commissioner, India comes under the:

- Ans
- ☒ 1. Ministry of Home Affairs
 - ☐ 2. Ministry of Finance
 - ☐ 3. Ministry of Corporate Affairs
 - ☐ 4. Ministry of Rural Development

Q.3 Which Governor General of India issued the famous Regulation XVII in 1829, which declared the practice of Sati illegal and punishable by the courts?

- Ans
- ☐ 1. Lord Napier
 - ☐ 2. Lord Ellenborough
 - ☐ 3. Lord Minto
 - ☒ 4. Lord William Bentinck

Q.4 Which of the following contains small droplets of liquid or particles of solid dispersed in a gas?

- Ans
- ☒ 1. Aerosol
 - ☐ 2. Gel
 - ☐ 3. Foam
 - ☐ 4. Vapour

Q.5 Which of the following is the official language of Tripura?

- Ans**
- ☐ 1. Mizo
 - ☐ 2. Garo
 - ☐ 3. Khasi
 - ☒ 4. Kokborak

Q.6 In which year was the Konkan Railway constructed?

- Ans**
- ☐ 1. 1978
 - ☐ 2. 1988
 - ☐ 3. 2008
 - ☒ 4. 1998

Q.7 Ajit Kumar Mohanty took over the charge of Chairman, _____, in May 2023.

- Ans**
- ☐ 1. National Human Rights Commission of India
 - ☐ 2. National Commission for Backward Classes
 - ☒ 3. Atomic Energy Commission
 - ☐ 4. Bhabha Atomic Research Centre

Q.8 According to the International Football Association Board (IFAB), which colour must the football goal post be?

- Ans**
- ☐ 1. Red
 - ☐ 2. Black
 - ☒ 3. White
 - ☐ 4. Blue

Q.9 What is the name of the scheme aimed at conservation of wetlands, which was announced in the Union Budget 2023-24?

- Ans**
- ☐ 1. Paryavaran Suraksha
 - ☒ 2. Amrit Dharohar
 - ☐ 3. Paryavaran Prahari
 - ☐ 4. Dharohar

Q.10 Identify the **INCORRECT** statement regarding invertebrates from the options given below.

- Ans**
- ☒ 1. They possess a backbone and an internal skeleton.
 - ☐ 2. They have radial or bilateral body symmetry.
 - ☐ 3. They have open circulatory system as there is no organisation in the distribution.
 - ☐ 4. They have a pair of solid nerve cords, situated ventrally and bearing segmentally arranged ganglia.

Q.11 What is the minimum over rate per hour in a test match?

- Ans**
- ☐ 1. 13 overs per hour
 - ☐ 2. 10 overs per hour
 - ☐ 3. 17 overs per hour
 - ☒ 4. 15 over per hour

Q.12 Where is the ITC Sangeet Research Academy located?

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

Q.13 Which of the following occupies less memory when saving an MS-Word file?

- Ans**
- ☐ 1. .docc
 - ☐ 2. .docm
 - ☐ 3. .doc
 - ☒ 4. .docx

Q.14 Who introduced the concept of virtual water?

- Ans**
- ☒ 1. John Anthony Allan
 - ☐ 2. Glubler Triplets
 - ☐ 3. Norman Borlaug
 - ☐ 4. MS Swaminathan

Q.15 Who among the following Delhi Sultanate rulers took the policy of 'blood and iron' to deal with the Mewati community?

- Ans**
- ☐ 1. Iltutmish
 - ☒ 2. Balban
 - ☐ 3. Rajiya
 - ☐ 4. Qutubuddin Aibak

Q.16 Which of the following is the second nearest star to Earth?

- Ans**
- ☐ 1. Polaris
 - ☐ 2. Delta Velorum
 - ☐ 3. Sirius
 - ☒ 4. Proxima Centauri

Q.17 Hemis festival is associated with which of the following religions?

- Ans**
- ☒ 1. Buddhism
 - ☐ 2. Sikhism
 - ☐ 3. Hinduism
 - ☐ 4. Jainism

Q.18 Which is the natural habitat of the Asiatic Lion in India?

- Ans**
- ☐ 1. Dudhwa National Park
 - ☒ 2. Gir Forest
 - ☐ 3. Sundarbans
 - ☐ 4. Kaziranga National Park

Q.19 Who is the Indian batsman after whom the Ranji Trophy is named?

- Ans**
- ☐ 1. Ranjit Patel
 - ☒ 2. Ranjit Sinhji
 - ☐ 3. Ranjit Singh Bedi
 - ☐ 4. Ranjit Wadekar

Q.20 Secularism is a feature of the Indian Constitution, which means:

- Ans**
- ☐ 1. The State promotes the religion of the majority community.
 - ☒ 2. The State does not promote any religion.
 - ☐ 3. The State promotes the religion of the minority community.
 - ☐ 4. The State can promote any religion.

Q.21 Which of the following statement(s) is/are INCORRECT vis-à-vis Fundamental Duties?

- 1) The 44th amendment Act introduced Fundamental duties in the Constitution.
- 2) Fundamental Duties were expanded by the 86th amendment act.
- 3) Article 51A (a) entails respect its ideals and institutions, national flag and the national anthem.
- 4) Fundamental Duty obliges parents to provide opportunities for education to their child between 6-14 years of age.

- Ans**
- ☐ 1. Only 3
 - ☐ 2. 2 and 4
 - ☒ 3. 1
 - ☐ 4. 2 and 3

Q.22 Which of the following currency note was discarded by the Government of India in November 2016?

- Ans**
-  1. ₹100
 -  2. ₹500
 -  3. ₹2,000
 -  4. ₹200

Q.23 Where is the Save button in Microsoft Word?

- Ans**
-  1. Bottom right corner of a Word window
 -  2. Top left corner of a Word window
 -  3. Bottom left corner of a Word window
 -  4. Top right corner of a Word window

Q.24 Bharat Muni, in his Natya Shastra, categorises musical instruments into four different parts. What is the categorisation of musical instruments by Bharat Muni based on?

- Ans**
-  1. The shape of the musical instruments
 -  2. Different sounds of the musical instruments
 -  3. The uses of the musical instruments in different occasions, such as wedding, festivals and public gathering
 -  4. Different materials used in the musical instruments

Q.25 Giddha dance is a folk dance of which of the following states?

- Ans**
-  1. Manipur
 -  2. Nagaland
 -  3. Punjab
 -  4. Odisha

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	04/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I VH

Section : English Language

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

The companies were / giving in the prizes / to attract customers / during the festive season.

- Ans**
- ☒ 1. giving in the prizes
 - ☐ 2. during the festive season
 - ☐ 3. to attract customers
 - ☐ 4. The companies were

Q.2 Identify the error in the following sentence and select the option with the correct use of the phrasal verb.
Prateek was planning to ask Shreya for a favour. But he could not muster up the courage. So, he blacked out.

- Ans**
- ☐ 1. Prateek was planning to ask Shreya for a favour. But he could not muster up the courage. So, he checked out.
 - ☐ 2. Prateek was planning to ask Shreya for a favour. But he could not muster up the courage. So, he turned down.
 - ☒ 3. Prateek was planning to ask Shreya for a favour. But he could not muster up the courage. So, he chickened out.
 - ☐ 4. Prateek was planning to ask Shreya for a favour. But he could not muster up the courage. So, he broke in.

Q.3 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

This artwork / are a wonderful example / of the period's vogue / for realistic style.

- Ans**
- ☐ 1. of the period's vogue
 - ☐ 2. for realistic style
 - ☒ 3. are a wonderful example
 - ☐ 4. This artwork

Q.4 The following sentence has been divided into four parts. Identify the part that contains an error.
Pratigya arrived / to the / railway station / five hours early.

- Ans**
- ☒ 1. to the
 - ☐ 2. railway station
 - ☐ 3. Pratigya arrived
 - ☐ 4. five hours early.

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.

Famines were (1) _____ during the period of British rule due to many reasons (2) _____ unemployment following import of machine-made goods from Britain, overexploitation of farmers and (3) _____ access to food. India suffered two very severe droughts in 1965 and 1966. India achieved (4) _____ in food grains by the year 1976 through the implementation of the seed-water-fertiliser-led (5) _____. The country is no longer exposed to real famines. However, lack of purchasing power continues to haunt people in some parts of the country.

SubQuestion No : 5

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

- Ans**
- ☐ 1. paused
 - ☒ 2. caused
 - ☐ 3. discouraged
 - ☐ 4. excruciated

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.

Famines were (1) _____ during the period of British rule due to many reasons (2) _____ unemployment following import of machine-made goods from Britain, overexploitation of farmers and (3) _____ access to food. India suffered two very severe droughts in 1965 and 1966. India achieved (4) _____ in food grains by the year 1976 through the implementation of the seed-water-fertiliser-led (5) _____. The country is no longer exposed to real famines. However, lack of purchasing power continues to haunt people in some parts of the country.

SubQuestion No : 6

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

- Ans**
- ☒ 1. excluding large-scale
 - ☒ 2. excluding small-scale
 - ☒ 3. including small-scale
 - ☒ 4. including large-scale

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.

Famines were (1) _____ during the period of British rule due to many reasons (2) _____ unemployment following import of machine-made goods from Britain, overexploitation of farmers and (3) _____ access to food. India suffered two very severe droughts in 1965 and 1966. India achieved (4) _____ in food grains by the year 1976 through the implementation of the seed-water-fertiliser-led (5) _____. The country is no longer exposed to real famines. However, lack of purchasing power continues to haunt people in some parts of the country.

SubQuestion No : 7

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

- Ans**
- ☒ 1. restricted
 - ☒ 2. unlimited
 - ☒ 3. inflated
 - ☒ 4. basic

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.

Famines were (1) _____ during the period of British rule due to many reasons (2) _____ unemployment following import of machine-made goods from Britain, overexploitation of farmers and (3) _____ access to food. India suffered two very severe droughts in 1965 and 1966. India achieved (4) _____ in food grains by the year 1976 through the implementation of the seed-water-fertiliser-led (5) _____. The country is no longer exposed to real famines. However, lack of purchasing power continues to haunt people in some parts of the country.

SubQuestion No : 8

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

- Ans**
- ☒ 1. goal
 - ☒ 2. success
 - ☒ 3. self-sufficiency
 - ☒ 4. incompetency

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.

Famines were (1) _____ during the period of British rule due to many reasons (2) _____ unemployment following import of machine-made goods from Britain, overexploitation of farmers and (3) _____ access to food. India suffered two very severe droughts in 1965 and 1966. India achieved (4) _____ in food grains by the year 1976 through the implementation of the seed-water-fertiliser-led (5) _____. The country is no longer exposed to real famines. However, lack of purchasing power continues to haunt people in some parts of the country.

SubQuestion No : 9

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

- Ans**
- ☒ 1. Green Revolution
 - ☒ 2. Blue Revolution
 - ☒ 3. Pink Revolution
 - ☒ 4. White Revolution

Q.10 Select the most appropriate ANTONYM of the underlined word in the sentence.
He purchased very cheap dresses.

- Ans**
- ☐ 1. Paltry
 - ☐ 2. Lively
 - ☐ 3. Doltish
 - ☒ 4. Expensive

Q.11 Identify the incorrectly spelt word and select its correct spelling.
The calandar was reformed during the time of Julius Caesar.

- Ans**
- ☒ 1. calendar
 - ☐ 2. celender
 - ☐ 3. reeformed
 - ☐ 4. riformed

Q.12 Choose the option that best describes the meaning of the idioms and phrases underlined in the given sentence.
You can best identify the fair weather friends at the time of adversity.

- Ans**
- ☐ 1. Friends who bring good rain
 - ☐ 2. Friends who come in good weather conditions
 - ☒ 3. Friend only at the time of prosperity
 - ☐ 4. Best friends

Q.13 Read the given sentence carefully. Change the meaning of the sentence by replacing the underlined word with its ANTONYM from the following options.
I have keen interest in reading the mind of those students who are boisterous at home but on their best behaviour at school.

- Ans**
- ☒ 1. placid
 - ☐ 2. clamorous
 - ☐ 3. raucous
 - ☐ 4. frothing

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Many a women work for the betterment of their family.

- Ans**
- ☒ 1. Many a woman works for
 - ☐ 2. Many a woman worked for
 - ☐ 3. Many a women works for
 - ☐ 4. Many a women working for

Q.15 Select the most appropriate option that can substitute the underlined segment in the given sentence.
He is almost quiet well.

- Ans**
- ☐ 1. quiet
 - ☒ 2. quite
 - ☐ 3. almost quietly
 - ☐ 4. very quite

Q.16 Complete the given sentence with an appropriate homophone from the given options.
It is better to focus on your _____ than to wander aimlessly.

- Ans**
- ☐ 1. carreer
 - ☐ 2. carrier
 - ☒ 3. career
 - ☐ 4. courier

Q.17 Select the most appropriate homophone to fill in the blank.
The mechanics tried a lot to get that car _____ from the accident spot.

- Ans**
- ☐ 1. toad
 - ☒ 2. towed
 - ☐ 3. toed
 - ☐ 4. told

Q.18	There is a spelling error in the given sentence. Select the option that contains the INCORRECTLY spelt word. The mighty gaint brought a marigold for the princess.
Ans	☒ 1. princess ☒ 2. marigold ☒ 3. gaint ☒ 4. mighty
Q.19	Select the most appropriate option that can substitute the underlined word segment in the following sentence. It is a <u>high-pay</u> job.
Ans	☒ 1. low-pay ☒ 2. high-paying ☒ 3. high-paid ☒ 4. low-paid
Q.20	The balloon started to deflate after being pricked with a needle. What is the ANTONYM of 'deflate'?
Ans	☒ 1. Flatten ☒ 2. Compress ☒ 3. Shrink ☒ 4. Inflate
Q.21	Select the most appropriate meaning of the underlined idiom in the following sentence. I can't begin to talk on this situation right now; I am still <u>wrapping my head around it</u> .
Ans	☒ 1. Comparing two things that can't be compared ☒ 2. Ignoring something completely ☒ 3. Understanding something complicated ☒ 4. Revealing a secret nobody knows
Q.22	Select the most appropriate synonym of the given word. Fertile
Ans	☒ 1. Amusing ☒ 2. Hectic ☒ 3. Destructive ☒ 4. Productive
Q.23	Read the sentence carefully and select the most appropriate option to substitute the underlined part. The revolt of the labourers will be considered as an <u>epoch</u> in the world history.
Ans	☒ 1. commendable act ☒ 2. important period ☒ 3. hostile event ☒ 4. unpopular measure
Q.24	Select the most appropriate option to correct the sentence by using meaning of the undelined word. In the winter season, the poor woman needed a <u>refuge</u> where she could live freely and independently.
Ans	☒ 1. School ☒ 2. Tent ☒ 3. Shelter ☒ 4. Inn
Q.25	Select the most appropriate synonym of the given word. Affirm
Ans	☒ 1. Deliver ☒ 2. Correlate ☒ 3. Confirm ☒ 4. Convey

Q.1 নিম্নলিখিত কোন সংখ্যাটি প্রদত্ত ক্রমের প্রশ্ন চিহ্নটিকে (?) প্রতিস্থাপন করবে?
291 256 310 275 329 294 ?

- Ans
- ☒ 1. 356
 - ☒ 2. 375
 - ☒ 3. 348
 - ☒ 4. 331

Q.2 যে বিকল্প সেটের সংখ্যাগুলি, নিচে দেওয়া সেটের সংখ্যাগুলির মতো একইভাবে সম্পর্কিত, সেই বিকল্প সেটটি নির্বাচন করুন।

(3, 34, 5)
(10, 136, 6)

(দ্রষ্টব্য: সংখ্যাগুলিকে এদের উপাদান অঙ্কে বিভাজিত না করে, সমগ্র কার্যক্রমটি অখণ্ড সংখ্যার উপরেই সম্পাদন করতে হবে। যেমন, 13 এর ক্ষেত্রে, 13 এর উপরেই যাবতীয় কার্যক্রম সম্পাদন করতে হবে। অর্থাৎ, 13 এর সঙ্গেই যোগ/ বিয়োগ/ গুণ ইত্যাদি করতে হবে কিন্তু 13 কে তার উপাদান অঙ্ক 1 এবং 3 এ বিভাজিত করে তারপর 1 এবং 3 এর উপর কোনওপ্রকার গাণিতিক কার্যক্রম সম্পাদন করা যাবে না।)

- Ans
- ☒ 1. (5, 60, 6)
 - ☒ 2. (9, 115, 6)
 - ☒ 3. (11, 125, 4)
 - ☒ 4. (7, 113, 8)

Q.3 নিচে দেওয়া চারটির মধ্যে তিনটি একটি নির্দিষ্ট পদ্ধতিতে অনুরূপ এবং সেই কারণে তারা একটি দল গঠন করে। কোনটি সেই দলের অন্তর্গত নয়?
(দ্রষ্টব্য: ব্যতিক্রমী বিকল্পটি সেটির ব্যঞ্জনবর্ণ/স্বরবর্ণ সংখ্যা অথবা বর্ণগুচ্ছে সেটির অবস্থান ভিত্তিক নয়।)

- Ans
- ☒ 1. SXE
 - ☒ 2. UZG
 - ☒ 3. YDJ
 - ☒ 4. RWD

Q.4 নিম্নে প্রদত্ত শব্দ জোড়ায় প্রকাশ করা সম্পর্ককে সেরাভাবে উপস্থাপন করে এমন একটি অনুরূপ শব্দ-জোড়া নির্বাচন করুন।
(শব্দগুলিকে অবশ্যই অর্থপূর্ণ বাংলা শব্দ হিসাবে বিবেচনা করতে হবে এবং শব্দের বর্ণের সংখ্যা/ব্যঞ্জন বর্ণের সংখ্যা /স্বরবর্ণের সংখ্যার উপর ভিত্তি করে একে অপরের সাথে সম্পর্কিত হবে না।)
অ্যাক্টিবায়োটিক : সংক্রমণ

- Ans
- ☒ 1. অ্যাক্টিবায়োটিক : উপাখ্যান
 - ☒ 2. অ্যাক্টিবিডি : ভাপানো
 - ☒ 3. প্রতিবিম্ব : বিষক্রিয়া
 - ☒ 4. বিশোধক : খাদ্যগ্রহণ

Q.5 যদি BACKGROUND শব্দটির প্রতিটি বর্ণকে বর্ণানুক্রমে অনুসারে বাম থেকে ডান দিকে সাজানো হয়, তাহলে কতগুলি বর্ণের অবস্থান অপরিবর্তিত থাকবে?

- Ans
- ☒ 1. একটি
 - ☒ 2. তিনটি
 - ☒ 3. দুটি
 - ☒ 4. একটিরও না

Q.6 একটি নির্দিষ্ট সাংকেতিক ভাষাতে, friendly yet firm' কে লেখা হয় 'nh rb yg' এবং 'a firm look' কে লেখা হয় 'nh hu fp' হিসাবে। প্রদত্ত ভাষায় 'firm' কীভাবে লেখা হয়?

- Ans
- ☒ 1. hu
 - ☒ 2. rb
 - ☒ 3. nh
 - ☒ 4. yg

Q.7 যদি FLAMINGOES শব্দটির প্রতিটি বর্ণকে বর্ণানুক্রমে অনুসারে বাম থেকে ডান দিকে সাজানো হয়, তাহলে কতগুলি বর্ণের অবস্থান অপরিবর্তিত থাকবে?

- Ans
- ☒ 1. একটি
 - ☒ 2. দুটি
 - ☒ 3. একটিরও না
 - ☒ 4. তিনটি

Q.8

একটি নির্দিষ্ট সাংকেতিক ভাষায়, 'bottle is blue' কে লেখা হয় 'see mo tu' এবং 'sky is blue' কে লেখা হয় 'mo tu lo'। ঐ সাংকেতিক ভাষায় 'bottle' এর সংকেত কী হবে?

Ans

- ☒ 1. tu
- ☒ 2. see
- ☒ 3. mo
- ☒ 4. lo

Q.9

HOUSEPLANT শব্দের প্রতিটি বর্ণকে ইংরেজি বর্ণানুক্রমে অনুসারে বাম থেকে ডান দিকে সাজানো হয়েছে। এইভাবে গঠিত নতুন শব্দটিতে বামদিক থেকে তৃতীয় এবং ডানদিক থেকে পঞ্চম স্থানে থাকা বর্ণের মাঝখানে ইংরেজি বর্ণমালার ক্রম অনুযায়ী কতগুলি বর্ণ থাকবে?

Ans

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

Q.10

প্রদত্ত শব্দ জোড়ায় প্রকাশিত সম্পর্কের অনুরূপ সম্পর্ককে যথাযথভাবে উপস্থাপিত করে এমন শব্দ-জোড়াটি নির্বাচন করুন।

(শব্দগুলিকে অবশ্যই অর্থপূর্ণ বাংলা শব্দ হিসাবে বিবেচনা করতে হবে এবং শব্দের বর্ণ সংখ্যা/ব্যঞ্জনবর্ণ সংখ্যা/স্বরবর্ণ সংখ্যার উপর ভিত্তি করে পরস্পরের সঙ্গে সম্পর্কিত করা যাবে না।)

ছুতোর : আসবাব

Ans

- ☒ 1. পুস্তক : লেখক
- ☒ 2. বাঁধ : ইঞ্জিনিয়ার
- ☒ 3. পত্রিকা : সম্পাদক
- ☒ 4. রাঁধুনি : সুপ

Q.11

যদি 16 সেপ্টেম্বর 2010 তারিখটি বৃহস্পতিবার হয়ে থাকে, তাহলে 17 আগস্ট 2017 তারিখটি সপ্তাহের কোন বার হবে?

Ans

- ☒ 1. সোমবার
- ☒ 2. বৃহস্পতিবার
- ☒ 3. রবিবার
- ☒ 4. বুধবার

Q.12

একটি নির্দিষ্ট সাংকেতিক ভাষাতে, 'cold summers day' কে লেখা হয় 'kl bn ix' এবং 'day and night' কে লেখা হয় 'kj ed bn' হিসাবে। প্রদত্ত ভাষায় 'day' কীভাবে লেখা হয়?

Ans

- ☒ 1. bn
- ☒ 2. kl
- ☒ 3. ix
- ☒ 4. kj

Q.13

30 একটি নির্দিষ্ট পদ্ধতি অনুসারে 216 এর সঙ্গে সম্পর্কিত। ওই একই পদ্ধতি অনুসারে, 40 সম্পর্কিত 226 এর সঙ্গে। ওই একই পদ্ধতি অনুসারে, 50 নিচের কোন বিকল্পটির সঙ্গে সম্পর্কিত? (দ্রষ্টব্য: সংখ্যাগুলিকে এদের উপাদান অঙ্কে বিভাজিত না করে, সমগ্র গাণিতিক কার্যক্রম অথবা সংখ্যার উপরেই সম্পাদন করতে হবে। যেমন, 13 এর ক্ষেত্রে, 13 এর উপরেই যাবতীয় কার্যক্রম সম্পাদন করতে হবে। অর্থাৎ, 13 এর সঙ্গেই যোগ/ বিয়োগ/ গুণ ইত্যাদি করতে হবে, কিন্তু 13 কে তার উপাদান অঙ্ক 1 এবং 3 এ বিভাজিত করার পর, 1 এবং 3 এর উপর কোনওপ্রকার গাণিতিক কার্যক্রম সম্পাদন করা যাবে না।)

Ans

- ☒ 1. 238
- ☒ 2. 250
- ☒ 3. 248
- ☒ 4. 236

Q.14 প্রদত্ত ক্রমের প্রশ্নবোধক চিহ্নটির (?) স্থানে কী আসবে?

15, 30, 90, 360, 1800, ?

- Ans
- ☒ 1. 11000
 - ☒ 2. 14000
 - ☒ 3. 12000
 - ☒ 4. 10800

Q.15 প্রদত্ত ক্রমটিতে প্রশ্নচিহ্নের (?) জায়গায় কত বসবে?

9, 20, 11, 27, 13, 34, ?

- Ans
- ☒ 1. 15
 - ☒ 2. 52
 - ☒ 3. 18
 - ☒ 4. 41

Q.16 যদি 'W' বলতে বোঝায় '+', 'Y' বলতে বোঝায় '×', 'Z' বলতে বোঝায় '+' এবং 'A' বলতে বোঝায় '−', তাহলে নিচে দেওয়া সমীকরণটিতে প্রশ্নবোধক চিহ্নের (?) স্থানে কী আসবে?

11 W 11 Y 11 Z 11 A 11 = ?

- Ans
- ☒ 1. 22
 - ☒ 2. 11
 - ☒ 3. 42
 - ☒ 4. 21

Q.17 নিচের চারটি বর্ণগুচ্ছের মধ্যে তিনটি, নির্দিষ্ট পদ্ধতি অনুসারে অনুরূপ হওয়ায় একটি দল গঠন করে। কোনটি এই দলের অন্তর্ভুক্ত নয়? (দ্রষ্টব্য : ব্যতিক্রমীটি তাদের ব্যঞ্জনবর্ণ/স্বরবর্ণ সংখ্যা কিংবা বর্ণগুচ্ছে তাদের অবস্থান ভিত্তিক নয়।)

- 1) ADBC
- 2) JMKL
- 3) FJHI
- 4) VYWX

- Ans
- ☒ 1. ADBC
 - ☒ 2. VYWX
 - ☒ 3. JMKL
 - ☒ 4. FJHI

Q.18 প্রদত্ত বিবৃতি এবং সিদ্ধান্তগুলি মনযোগ সহকারে পড়ুন। প্রদত্ত বিবৃতিতেগুলি যদি সাধারণভাবে জানা তথ্যের থেকে ভিন্ন বলে মনে হয়, তাহলেও সেগুলিকে সত্য বলে ধরে নিই এবং প্রদত্ত সিদ্ধান্তগুলির মধ্যে কোনটি/কোনগুলি বিবৃতিগুলিকে যুক্তিযুক্তভাবে অনুসরণ করে তা নির্ধারণ করুন।

বিবৃতি:
কোনো বালিশ, কুশন নয়।
সব কুশন হয় চাদর।
কোনো চাদর, কুশল নয়।
সিদ্ধান্ত:
(I) কোনো কুশন, কুশল নয়।
(II) কিছু বালিশ হয় চাদর।

- Ans
- ☒ 1. শুধুমাত্র সিদ্ধান্ত II অনুসরণ করছে
 - ☒ 2. উভয় সিদ্ধান্ত I এবং II অনুসরণ করছে
 - ☒ 3. কোনো সিদ্ধান্ত অনুসরণ করছে না
 - ☒ 4. শুধুমাত্র সিদ্ধান্ত I অনুসরণ করছে

Q.19 যদি 'A' এর অর্থ '÷', 'B' এর অর্থ 'x', 'C' এর অর্থ '+' এবং 'D' এর অর্থ '-', হয়, তাহলে নিম্নের কোনটি থেকে 59 পাওয়া যাবে?

- Ans ☒ 1. 22 B 6 D 190 A 2 C 22
☒ 2. 22 A 6 D 190 B 2 C 22
☒ 3. 22 B 6 D 190 C 2 A 22
☒ 4. 22 B 6 C 190 A 2 D 22

Q.20 যদি 'A' বলতে '÷' বোঝায়, 'B' বলতে 'x' বোঝায়, 'C' বলতে '+' বোঝায় এবং 'D' বলতে '-' বোঝায়, তাহলে প্রদত্ত সমীকরণে প্রশ্নবোধক চিহ্নটির (?) স্থানে কী আসবে?

$$96 \text{ B } 3 \text{ D } 285 \text{ A } 5 \text{ C } 11 = ?$$

- Ans ☒ 1. 242
☒ 2. 272
☒ 3. 262
☒ 4. 252

Q.21 বিকল্পগুলি থেকে সেই বর্ণ সমবায়টি নির্বাচন করুন, যেটিকে প্রদত্ত ক্রমের শূন্যস্থানে ক্রমানুসারে বসালে ক্রমটি যুক্তিযুক্তভাবে সম্পূর্ণ হবে।
_WSVR_QTPS_RNQM_LOK_

- Ans ☒ 1. TUOPN
☒ 2. XUQPM
☒ 3. XVQLM
☒ 4. TVOLN

Q.22 ইংরাজি বর্ণানুক্রম ভিত্তিক প্রদত্ত ক্রমটিতে প্রশ্নবোধক চিহ্নের (?) স্থানে কী আসবে?

GOW NIB UCG BWL ?

- Ans ☒ 1. IQQ
☒ 2. XOF
☒ 3. VLB
☒ 4. ZQH

Q.23 প্রদত্ত ক্রমের প্রশ্নচিহ্নটি (?) এর স্থানে কি আসা উচিত?

27, 28, 31, 36, ?, 52

- Ans ☒ 1. 41
☒ 2. 43
☒ 3. 44
☒ 4. 42

Q.24 যদি '+' ও '÷' পরস্পর এবং 'x' ও '-' পরস্পর বিনিময় হয়, তাহলে নিম্নের সমীকরণে '?' এর জায়গায় কত বসবে?
 $100 + 10 \div 100 - 10 \times 100 = ?$

- Ans ☒ 1. 800
☒ 2. 567
☒ 3. 210
☒ 4. 910

Q.25 একটি নির্দিষ্ট সাংকেতিক ভাষাতে,
 $A + B$ এর অর্থ 'A হল B এর ছেলে',
 $A - B$ এর অর্থ 'A হল B এর ভাই'
 $A \times B$ এর অর্থ 'A হল B এর স্ত্রী',
 $A \div B$ এর অর্থ 'A হল B এর বাবা'।
যদি ' $P \times Q - R \div S + T$ ' হয়, তাহলে উপর্যুক্ত সংকেত অনুযায়ী P কিভাবে T এর সাথে সম্পর্কিত?

- Ans
- ☒ 1. স্বমীর ভাইয়ের স্ত্রী
 - ☐ 2. স্বমীর বোন
 - ☐ 3. স্বমীর মা
 - ☐ 4. স্বমীর ভাইয়ের মেয়ে

Section : Quantitative Aptitude

Q.1 যদি θ একটি সূক্ষ্মকোণ হয় ও $\cot\theta + \tan\theta = 2$ হয় তাহলে $\tan^{12}\theta + \cot^{12}\theta + 2 \tan^5\theta \cot^7\theta$ এর মান কত?

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

Q.2 যদি একটি সংখ্যা এবং এর অন্যান্যকের গড় 2 হয়, তাহলে এটির ঘনফল এবং ঘনফলের অন্যান্যকের গড় কত?

- Ans
- ☐ 1. 36
 - ☐ 2. 48
 - ☐ 3. 28
 - ☒ 4. 26

Q.3 রাহনা একটি স্কুট কেনার সিদ্ধান্ত নিয়েছে যার দাম হল ₹40,000। দোকানদার ₹25,000 নগদ ডাউন পেমেন্ট সহ চার মাসের জন্য প্রতি মাসে ₹4,000 কিস্তিতে স্কুট বিক্রি করতে রাজি হয়েছিল। যে কিস্তি সিস্টেমের অধীনে দোকানদার যে স্কুট বিক্রি করেছে তার সুদের হার নির্ণয় করুন।

- Ans
- ☒ 1. 33%
 - ☐ 2. $16\frac{1}{2}\%$
 - ☐ 3. $18\frac{1}{2}\%$
 - ☐ 4. $10\frac{1}{3}\%$

Q.4 একটি চোঙের ব্যাস 14 cm এবং এর উচ্চতা 9 cm। চোঙটির সমগ্রতলের ক্ষেত্রফল নির্ণয় করুন।

- Ans
- ☐ 1. 708 cm^2
 - ☒ 2. 704 cm^2
 - ☐ 3. 714 cm^2
 - ☐ 4. 700 cm^2

Q.5 একজন খুচরা বিক্রেতা ₹5,000 এ কিছু পণ্য কিনেছেন। উৎপাদন জনিত ত্রুটির কারণে, 5% পণ্য ক্ষতিগ্রস্ত হয়েছে। খুচরা বিক্রেতা যদি অবশিষ্ট পণ্যের উপর 20% লাভ করতে চান, তবে অক্ষত পণ্যগুলি তাকে কত দামে বিক্রি করতে হবে?

- Ans
- ☐ 1. ₹5,900
 - ☒ 2. ₹5,700
 - ☐ 3. ₹6,000
 - ☐ 4. ₹5,800

Q.6 ডালের দাম 45% বৃদ্ধি পেয়েছে। ডালের বর্ধিত মূল্যকে কত শতাংশ (নিকটতম পূর্ণসংখ্যায় আসন্নমান) হ্রাস করলে ডালের দাম অপরিবর্তিত থাকবে?

- Ans
- ☐ 1. 45
 - ☐ 2. 35
 - ☐ 3. 41
 - ☒ 4. 31

Q.7 নিম্নলিখিতগুলির মান যথাক্রমে দশমিকে প্রকাশ করুন।
20%, 0.5%, 0.03%

- Ans
- ☐ 1. 0.02, 0.005, 0.003
 - ☒ 2. 0.2, 0.005, 0.0003
 - ☐ 3. 0.2, 0.0005, 0.0003
 - ☐ 4. 0.02, 0.005, 0.0003

Q.8 একটি অর্ধবৃত্তের পরিসীমা 56.54 cm হলে, সেটির ব্যাস (cm এ) কত?
($\pi = 3.14$ ব্যবহার করুন)

- Ans
- ☒ 1. 22
 - ☐ 2. 11
 - ☐ 3. 20
 - ☐ 4. 10

Q.9 $\triangle DEF$ এবং $\triangle GHI$ দুটি সদৃশ ত্রিভুজ। যদি $DE = 64$ cm, $GH = 24$ cm এবং $\triangle GHI$ এর পরিসীমা 72 cm হয়, তাহলে $\triangle DEF$ এর EF ও FD বাহুর দৈর্ঘ্যের (cm তে) সমষ্টি কত হবে?

- Ans
- ☐ 1. 96
 - ☐ 2. 192
 - ☐ 3. 82
 - ☒ 4. 128

Q.10 গত বছর, গীতার মাসিক বেতন ছিল ₹12,000 এবং সীতার মাসিক বেতন ছিল ₹10,000। এই বছর, গীতার মাসিক বেতন ₹14,400, আর সীতার মাসিক বেতন ₹12,500। যদি সীতার গত বছরের মাসিক বেতনের তুলনায় এ বছর তার মাসিক বেতনের শতকরা বৃদ্ধিকে $x\%$ দ্বারা চিহ্নিত করা হয়, এবং গীতার গত বছরের মাসিক বেতনের তুলনায় এই বছর তার মাসিক বেতনের শতকরা বৃদ্ধিকে $y\%$ দ্বারা চিহ্নিত করা হয়, তাহলে $(\frac{x-y}{y} \times 100)\%$ এর মান কত?

- Ans
- ☐ 1. 20
 - ☐ 2. 24
 - ☐ 3. 22
 - ☒ 4. 25

Q.11 এখন থেকে দশ বছর পর বাবার বয়স, তার ছেলের বয়সের দ্বিগুণ হবে। এখন থেকে 10 বছর আগে বাবার বয়স ছিল ছেলের বয়সের ছয় গুণ। এখন থেকে কত বছর পর তাদের বয়সের অনুপাত 3 : 2 হবে?

- Ans
- ☐ 1. 25
 - ☐ 2. 30
 - ☒ 3. 35
 - ☐ 4. 20

Q.12 26 cm ব্যাস বিশিষ্ট একটি বৃত্তে, 10 cm দৈর্ঘ্য বিশিষ্ট দুটি সমান ও সমান্তরাল জ্যা এর দূরত্ব h cm হলে, h এর মান নির্ণয় করুন।

- Ans
- ☐ 1. 16
 - ☐ 2. 18
 - ☐ 3. 12
 - ☒ 4. 24

Q.13 28 cm ব্যাস বিশিষ্ট একটি নিরেট অর্ধগোলকের সমগ্রতলের ক্ষেত্রফল কত?

- Ans
- ☐ 1. 1784 cm²
 - ☐ 2. 1648 cm²
 - ☐ 3. 1488 cm²
 - ☒ 4. 1848 cm²

Q.14 36 এবং 48 এর তৃতীয় সমানুপাতটি নির্ণয় করুন।

- Ans
- ☐ 1. 36
 - ☒ 2. 64
 - ☐ 3. 48
 - ☐ 4. 54

Q.15 যদি একটি সংখ্যার 30% এর 20% এর 10% ত্রমিক পরিবর্তন 3 এর সমান হয়, তাহলে ওই সংখ্যার একক সমতুল্য শতাংশ কত হবে?

- Ans
- ☐ 1. 0.5%
 - ☐ 2. 0.4%
 - ☐ 3. 0.3%
 - ☒ 4. 0.6%

Q.16 যদি $2x^3 - 3x^2 + 6x - 4$ কে $2x - 3$ দিয়ে ভাগ করা হয়, তাহলে ভাগশেষ কত হবে?

- Ans
- ☐ 1. 6
 - ☒ 2. 5
 - ☐ 3. -5
 - ☐ 4. -6

Q.17 12 দিনে একটি কাজ সম্পন্ন করার জন্য 8 জন শ্রমিক নিয়োজিত ছিল। 2 দিন কাজ করা পর জানা গেল, কিছু জরুরী কারণে, কাজটি আগামী 2 দিনে সম্পন্ন করতে হবে। সময় মতো কাজটি সম্পন্ন করতে হলে, এখন আর কতজন শ্রমিককে নিয়োজিত করতে হবে?

- Ans
- ☐ 1. 40
 - ☐ 2. 36
 - ☐ 3. 30
 - ☒ 4. 32

Q.18 2.1 m ব্যাসার্ধ এবং 6.3 m উচ্চতা বিশিষ্ট একটি ওভারহেড চোঙাকৃতি জলাধারের ধারণক্ষমতা (লিটারে) নির্ণয় করুন।

- Ans
- ☐ 1. 61802
 - ☐ 2. 611726
 - ☒ 3. 87318
 - ☐ 4. 65622

Q.19 সরল করুন।

$$3\frac{4}{7} - \left[16\frac{1}{2} \div \left\{ 6^2 - \left(7 - 2\frac{1}{2} \right) \right\} \right]$$

- Ans
- ☐ 1. $\frac{64}{11}$
 - ☐ 2. $\frac{25}{21}$
 - ☐ 3. $\frac{25}{11}$
 - ☒ 4. $\frac{64}{21}$

Q.20

মান নির্ণয় করুন

$$\frac{2 \times \frac{2}{3}}{1 + \frac{1}{1 + \frac{2}{1 + \frac{3}{1 - \frac{2}{3}}}}}$$

Ans

- ☐ 1. $\frac{2}{3}$
- ☐ 2. 3
- ☒ 3. 1
- ☐ 4. 2

Q.21

একটি পণ্যের মুদ্রিতমূল্য তার ক্রয়মূল্যের চেয়ে 25% বেশি। যদি 40% ছাড় দেওয়া হয়, তাহলে ক্ষতির শতাংশ কত হবে?

Ans

- ☐ 1. 30%
- ☐ 2. 15%
- ☐ 3. 20%
- ☒ 4. 25%

Q.22

M এবং N কেন্দ্রবিশিষ্ট দুটি বৃত্তের ব্যাসার্ধ হল যথাক্রমে 5 cm এবং 8 cm। বৃত্তগুলি একে অপরকে T বিন্দুতে বাহ্যিকভাবে স্পর্শ করে। একটি রেখা PR এমনভাবে আঁকা হল যাতে M, T এবং N বিন্দুগুলি PR রেখার উপর অবস্থিত থাকে, P বিন্দু M বিন্দুর কাছাকাছি থাকে। P বিন্দু থেকে M কেন্দ্রবিশিষ্ট বৃত্তে একটি স্পর্শক PQ = 12 cm আঁকা হল যেটি Q বিন্দুতে সেটিকে স্পর্শ করে, এবং R বিন্দু থেকে N কেন্দ্রবিশিষ্ট বৃত্তে আরেকটি স্পর্শক RS = 15 cm আঁকা হল যেটি S বিন্দুতে সেটিকে স্পর্শ করে। PR এর দৈর্ঘ্য (cm তে) কত?

Ans

- ☐ 1. 37
- ☐ 2. 26
- ☒ 3. 43
- ☐ 4. 53

Q.23

একজন ব্যক্তির আয় হল ₹50,000 এবং তার ব্যয় হল ₹38,000। যদি তার আয় 25% এবং ব্যয় 10% বৃদ্ধি পায়, তাহলে তার সঞ্চয়ের শতাংশ বৃদ্ধি কত হবে?

Ans

- ☐ 1. 54.00%
- ☐ 2. 65.00%
- ☒ 3. 72.50%
- ☐ 4. 42.02%

Q.24

একটি গাড়ি যদি 36 km/hr গতিতে চলে তাহলে 85 মিনিটে একটি নির্দিষ্ট দূরত্ব অতিক্রম করে। একই যাত্রার সময়কে কমিয়ে, 51 মিনিট করতে হলে গাড়িটির গতি কত হতে হবে?

Ans

- ☐ 1. 80 km/hr
- ☒ 2. 60 km/hr
- ☐ 3. 70 km/hr
- ☐ 4. 50 km/hr

Q.25

ABC ত্রিভুজে, যদি তিনটি বাহু BC = 5 cm, AC = 7 cm এবং AB = 3 cm হয়, তাহলে B কোণটির মান কত?

Ans

- ☐ 1. 100°
- ☒ 2. 120°
- ☐ 3. 150°
- ☐ 4. 140°

Q.1	এর ছৌ নৃত্যশিল্পীরা 'ছৌ-ঝুমুর উৎসব' নামে একটি অনুষ্ঠান আয়োজন করে, যেখানে ছৌ দলগুলির উপস্থাপনার জন্য একটি উন্মুক্ত মঞ্চ তৈরি করা হয়।
Ans	✓ 1. পশ্চিমবঙ্গ ✗ 2. ছত্তিশগড় ✗ 3. ঝাড়খণ্ড ✗ 4. মধ্যপ্রদেশ
Q.2	ভারতে বর্ষাকালীন বৃষ্টিপাত প্রথম কোন রাজ্যে ঘটে?
Ans	✗ 1. অন্ধ্র প্রদেশ ✗ 2. কর্ণাটক ✗ 3. গোয়া ✓ 4. কেরালা
Q.3	1932 সালে কাকা হাতরসি দ্বারা প্রতিষ্ঠিত প্রতিষ্ঠানটি হল _____।
Ans	✗ 1. স্বসঙ্গম কেন্দ্র ✗ 2. নিউজিক আর্ট সেন্টার ✗ 3. নিউজিক আর্ট কেন্দ্র ✓ 4. সঙ্গীত কার্যালয়
Q.4	জগেই এবং চলোম হল ভারতীয় ধ্রুপদী নৃত্য _____ এর দুটি বিভাগ।
Ans	✗ 1. কথক ✗ 2. কথাকলি ✓ 3. মণিপুরী ✗ 4. ভরতনাট্যম
Q.5	রাসায়নিক সারের ব্যবহার হ্রাস বিষয়ক, নিচের কোন প্রকল্পটি 2023-24 এর কেন্দ্রীয় বাজেটে উত্থাপিত হয়েছিল?
Ans	✗ 1. PM SHRI ✓ 2. PM PRANAM ✗ 3. PM DevINE ✗ 4. SEED প্রকল্প
Q.6	নিচের কোন বিবৃতিটি সবচেয়ে যথাযথভাবে শনি গ্রহকে বর্ণনা করে?
Ans	✗ 1. এটি ছিল সৌরজগতে আবিস্কৃত সপ্তম গ্রহ। ✗ 2. এর পৃষ্ঠটি লালচে রঙের। ✓ 3. এটি একটি বিশালাকার গ্যাসীয় বস্তু যার বেশিরভাগ অংশ হাইড্রোজেন এবং হিলিয়াম দ্বারা গঠিত এবং এর ঘনত্ব জলের চেয়ে কম। ✗ 4. এর মেঘের মতো বাইরের অঞ্চলগুলি গ্যাসীয় আকারে নিখেন এবং স্ফটিক আকারে অ্যামোনিয়া দ্বারা গঠিত।
Q.7	ভারতীয় সংবিধানের প্রেক্ষিতে 'যুক্তরাষ্ট্রবাদ' (Federalism) বলতে বোঝায় _____।
Ans	✗ 1. দেশে এক জাতি এক সরকারের অস্তিত্ব ✗ 2. দেশে রাজ্যের অস্তিত্ব ✓ 3. দেশে সরকারের একাধিক স্তরের অস্তিত্ব ✗ 4. দেশে সরকারের একটি মাত্র স্তরের অস্তিত্ব
Q.8	MS এক্সেল শ্রেডশীটে সেল ফরম্যাট করতে নিম্নলিখিত কোন ধাপটি ব্যবহার করা হয়?
Ans	✓ 1. সিলেক্ট সেল → রাইট ক্লিক → ফরম্যাট সেল ✗ 2. ভিউ → সিলেক্ট সেল → ফরম্যাট ✗ 3. সিলেক্ট সেল → ভিউ → ফরম্যাট সেল ✗ 4. মেনু → সিলেক্ট সেল → ফরম্যাট
Q.9	ভারতীয় সংবিধানের ভাগ IV A _____ এর সাথে সম্পর্কিত।
Ans	✓ 1. মৌলিক কর্তব্য ✗ 2. রাজ্যের কর্মপদ্ধতির নির্দেশক নীতি ✗ 3. নাগরিকত্ব ✗ 4. মৌলিক অধিকার

Q.10 জানুয়ারি-ফেব্রুয়ারি, 2023 এ, খেলো ইন্ডিয়া ইয়ুথ গেমস (Khelo India Youth Games) 2023 -এর পঞ্চম সংস্করণ _____ দ্বারা আয়োজন করা হয়েছিল।

- Ans
- ✓ 1. মধ্য প্রদেশ
 - ✗ 2. উত্তর প্রদেশ
 - ✗ 3. রাজস্থান
 - ✗ 4. দিল্লী

Q.11 _____ বলতে বোঝায়, একটি রাজকোষ বর্ষে, ঋণ ব্যতীত মোট প্রাপ্তির চেয়ে মোট ব্যয় বেশি।

- Ans
- ✗ 1. আয় ঘাটতি
 - ✓ 2. রাজকোষ ঘাটতি
 - ✗ 3. মোট প্রাথমিক ঘাটতি
 - ✗ 4. পঠনপত ঘাটতি

Q.12 ভারতের রাষ্ট্রপতি 2021 সালের জুলাই মাসে কর্ণাটকের রাজ্যপাল হিসাবে _____ কে নিযুক্ত করেন।

- Ans
- ✗ 1. মাদুভাই ছাগনভাই প্যাটেল
 - ✗ 2. হরি বারু কুম্ভমপতি
 - ✓ 3. থাওয়ারচাঁদ গেহলোত
 - ✗ 4. রাজেন্দ্র বিশ্বনাথ আরলেকার

Q.13 একটি স্ট্রোড শীটে, পৃষ্ঠার ওরিয়েন্টেশন _____ এর মাধ্যমে পরিবর্তিত করা হয়।

- Ans
- ✗ 1. পেপার ডায়ালগ বক্স
 - ✗ 2. প্রিন্ট ডায়ালগ বক্স
 - ✗ 3. ফর্ম্যাট ডায়ালগ বক্স
 - ✓ 4. পেজ সেটআপ ডায়ালগ বক্স

Q.14 এশিয়ান রেসলিং চ্যাম্পিয়নশিপ 2023 নিম্নলিখিতগুলির মধ্যে কোন শহরে অনুষ্ঠিত হয়েছিল?

- Ans
- ✓ 1. আস্তানা (Astana)
 - ✗ 2. টোকিও (Tokyo)
 - ✗ 3. করাচি (Karachi)
 - ✗ 4. মুম্বাই (Mumbai)

Q.15 নিম্নলিখিত কোন বছরগুলিকে স্বাধীন ভারতের পরিকল্পনা বিরতির কাল হিসাবে বিবেচনা করা হয়?

- Ans
- ✓ 1. 1966-1969
 - ✗ 2. 1969-1972
 - ✗ 3. 1990-1992
 - ✗ 4. 1964-1967

Q.16 _____ 1191 সালে তরইনের প্রথম যুদ্ধে নহম্মদ ঘোরিকে পরাজিত করেন।

- Ans
- ✓ 1. পৃথ্বীরাজ চৌহান
 - ✗ 2. যশোবর্ষণ
 - ✗ 3. বাসুদেব
 - ✗ 4. বিদ্যাধর

Q.17 নিম্নলিখিত বন্দরগুলিকে তাদের সাথে সম্পর্কিত রাজ্যের সাথে সঠিকভাবে মেলান।

বন্দর	রাজ্য
1. মরচুগাও বন্দর	a. পশ্চিমবঙ্গ
2. পারদীপ বন্দর	b. ওড়িশা
3. হলদিয়া বন্দর	c. তামিলনাড়ু
4. তুতিকোরিন বন্দর	d. গোয়া

- Ans
- ✗ 1. 1-b, 2-d, 3-c, 4-a
 - ✗ 2. 1-b, 2-d, 3-a, 4-c
 - ✗ 3. 1-a, 2-b, 3-d, 4-c
 - ✓ 4. 1-d, 2-b, 3-a, 4-c

Q.18 _____ তে, ডঃ আব্বারাম পাণ্ডুরঙ্গ, প্রার্থনা সমাজ প্রতিষ্ঠা করেন।

- Ans
- ☒ 1. বোম্বে
 - ☐ 2. আদ্যার
 - ☐ 3. দিল্লী
 - ☐ 4. কলিকাতা

Q.19 নিম্নলিখিতগুলির মধ্যে কোনটি মূলে অবস্থিত অগ্রহ্ ভাজক কলার একটি অংশ?

- Ans
- ☐ 1. বিভেদিত সংবহনকলা
 - ☒ 2. প্রোটোডার্ম
 - ☐ 3. পাতার প্রাইমরডিয়াম
 - ☐ 4. কক্ষিক মুকুল

Q.20 একটি বৈদ্যুতিক সার্কিটে, তারের দৈর্ঘ্য বিগুণ করা হলে অ্যামিটার রিডিং _____ হ্রাস পায়।

- Ans
- ☐ 1. এক-চতুর্থাংশ
 - ☐ 2. এক-তৃতীয়াংশ
 - ☐ 3. এক-ষষ্ঠাংশ
 - ☒ 4. অর্ধেক

Q.21 ভারত সরকার কত সালে 'আত্মনির্ভর ভারত রোজগার যোজনা' চালু করেছিল?

- Ans
- ☐ 1. 2015
 - ☒ 2. 2020
 - ☐ 3. 2010
 - ☐ 4. 2022

Q.22 আগস্ট 2023 অনুযায়ী, নিম্নলিখিত রাজ্যগুলির মধ্যে কোনটিতে ভারতের প্রথম সম্পূর্ণরূপে কার্যকরী সাক্ষর জেলা অবস্থিত?

- Ans
- ☐ 1. মহারাষ্ট্র
 - ☐ 2. গোয়া
 - ☒ 3. মধ্য প্রদেশ
 - ☐ 4. কেরালা

Q.23 বিষ্ণুনারায়ণ ভাটখণ্ডের মতানুযায়ী, হিন্দুজানি শাস্ত্রীয় সঙ্গীতে কতগুলি ঠাট থেকে রাগের উৎপত্তি হয়েছিল?

- Ans
- ☐ 1. 20
 - ☐ 2. 52
 - ☒ 3. 10
 - ☐ 4. 72

Q.24 লেসের কাজের (lace work) প্রাচীনতম কেন্দ্রটি গুজরাটের কোথায় অবস্থিত?

- Ans
- ☐ 1. রাজকোট
 - ☐ 2. আহমেদাবাদ
 - ☐ 3. কচ্ছ
 - ☒ 4. জামনগর

Q.25 নিম্নলিখিতগুলির মধ্যে কোনটি বাল্কেটবল খেলায় কোন অবস্থান (position) নয়?

- Ans
- ☐ 1. পয়েন্ট গার্ড (Point guard)
 - ☒ 2. অল রাউন্ডার(All rounder)
 - ☐ 3. শ্টিং গার্ড(Shooting guard)
 - ☐ 4. স্মল ফরয়ার্ড(Small forward)

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

Q.2 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. by the Lion's Club.
 - ☒ 4. My daughter participate

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. be study
 - ☐ 2. I
 - ☐ 3. around 7 o'clock
 - ☐ 4. will

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

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. assumption
 - ☐ 2. solution
 - ☒ 3. conclusion
 - ☐ 4. derivation

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. showing
 - ☐ 2. observing
 - ☐ 3. assuming
 - ☐ 4. blowing

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. healthier
 - ☐ 2. cleaner
 - ☐ 3. expensive
 - ☐ 4. powerful

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. building
 - ☐ 2. skipping
 - ☒ 3. grabbing
 - ☐ 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. additions
 - ☒ 3. options
 - ☐ 4. chances

Q.10 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. No substitution required
 - ☐ 2. circumstance
 - ☒ 3. apology
 - ☐ 4. gratitude

Q.11 Select the most appropriate ANTONYM of the given word.
Noble

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

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

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

Q.13 Select the INCORRECTLY spelt word.

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

Q.14 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. Opacity
 - ☐ 3. Clarity
 - ☐ 4. Reliability

Q.15 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. always takes his dog for a walk
 - ☐ 2. his dog for a walk always takes
 - ☐ 3. takes his dog for always a walk
 - ☐ 4. takes his dog for an always walk

Q.16 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 under
 - ☐ 2. come off
 - ☐ 3. come upon
 - ☐ 4. come out

Q.17 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. advanced
 - ☐ 2. current
 - ☐ 3. modern
 - ☒ 4. outdated

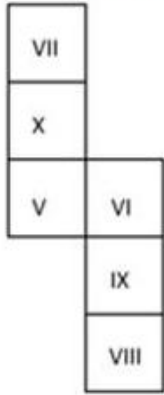
Q.18	Select the most appropriate meaning of the given idiom. Walk a tightrope
Ans	☒ 1. To try and balance yourself ☒ 2. To walk on a narrow road ☒ 3. To be tensed about something ☒ 4. To act carefully in a difficult situation
Q.19	Select the INCORRECTLY spelt word in the given sentence. Shreya prefers wearing green coloured saree on marriage funcktions.
Ans	☒ 1. Wearing ☒ 2. Marriage ☒ 3. Prefers ☒ 4. Funcktions
Q.20	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 <u>at</u> the fun they had.
Ans	☒ 1. beside ☒ 2. No substitution required ☒ 3. about ☒ 4. by
Q.21	Select the most appropriate ANTONYM of the underlined word in the given sentence. The performance of the team in the lost match was <u>dismal</u> .
Ans	☒ 1. Cheap ☒ 2. Dainty ☒ 3. Luminous ☒ 4. Sadden
Q.22	Select the most appropriate synonym of the given word. Desire
Ans	☒ 1. Aversion ☒ 2. Loathing ☒ 3. Longing ☒ 4. Disgust
Q.23	Select the most appropriate meaning of the given idiom. A bolt from the blue
Ans	☒ 1. A spontaneous but expected event ☒ 2. Raining heavily ☒ 3. Thunder and rain in a strom ☒ 4. A sudden and unexpected event
Q.24	Select the most appropriate ANTONYM of the underlined word. The growth of the cell wall is very rarely <u>uniform</u> .
Ans	☒ 1. Balanced ☒ 2. Variegated ☒ 3. Fixed ☒ 4. Paired
Q.25	Select the most appropriate ANTONYM of the given word. Vehement
Ans	☒ 1. Passionate ☒ 2. Smashed ☒ 3. Reliable ☒ 4. Mild

Q.1 दी गई श्रृंखला में प्रश्न चिह्न '?' के स्थान पर क्या आना चाहिए?

119 128 137 146 155 ?

- Ans
- ☐ 1. 163
 - ☒ 2. 164
 - ☐ 3. 161
 - ☐ 4. 162

Q.2 यदि नीचे दी गई शीट को मोड़कर एक घन बनाया जाए तो 'VI' के विपरीत फ़लक पर कौन-सी रोमन संख्या होगी?

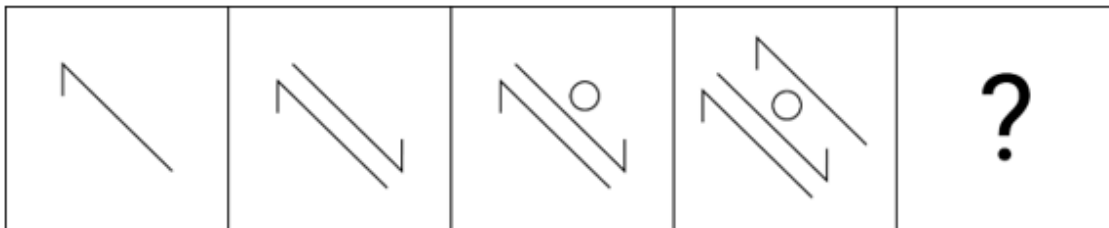


- Ans
- ☐ 1. X
 - ☐ 2. VII
 - ☐ 3. V
 - ☒ 4. VIII

Q.3 यदि शब्द 'COUNTED' के प्रत्येक अक्षर को अंग्रेजी वर्णानुक्रम में व्यवस्थित किया जाए तो कितने अक्षरों का स्थान अपरिवर्तित रहेगा?

- Ans
- ☒ 1. दो
 - ☐ 2. तीन
 - ☐ 3. एक का भी नहीं
 - ☐ 4. तीन से अधिक

Q.4 विकल्पों में दी गई उस आकृति को पहचानिए जिसे प्रश्न चिह्न (?) के स्थान पर रखने पर श्रृंखला तार्किक रूप से पूरी हो जाएगी।

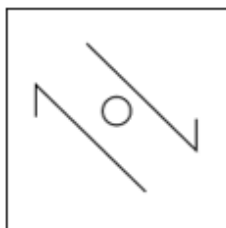


Ans

✗ 1.



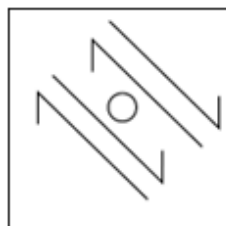
✗ 2.



✗ 3.



✓ 4.



Q.5 उस समुच्चय का चयन कीजिए जिसमें संख्याएं ठीक उसी प्रकार संबंधित हैं जिस प्रकार दिए गए समुच्चयों की संख्याएं संबंधित हैं।
(ध्यान दें: संख्याओं को उनके घटक अंकों में अलग-अलग किए बिना पूर्ण संख्याओं पर संक्रियाएं की जानी चाहिए। उदाहरण के लिए संख्या 13 - संख्या 13 पर संक्रियाएं जैसे 13 को जोड़ना/घटाना/गुणा करना आदि किया जा सकता है। 13 को 1 और 3 में अलग-अलग करने की और फिर 1 और 3 पर गणितीय संक्रियाएं करने की अनुमति नहीं है।)
(35, 5, 7)
(108, 12, 9)

Ans ✓ 1. (91, 13, 7)

✗ 2. (118, 15, 9)

✗ 3. (254, 17, 7)

✗ 4. (114, 14, 8)

Q.6 एक निश्चित कूट भाषा में,
 $P + Q$ का अर्थ P, Q की पत्नी है।
 $P - Q$ का अर्थ P, Q का भाई है।
 P / Q का अर्थ P, Q का बेटा है।
 $P \times Q$ का अर्थ P, Q का पिता है।
यदि $V / K \times T + M \times O$ है, तो K का O से क्या संबंध है?

Ans ✗ 1. पिता

✗ 2. पिता की मां

✗ 3. मां

✓ 4. मां के पिता

Q.7 अक्षरों के उस संयोजन का चयन कीजिए जिसे दी गई श्रृंखला के रिक्त स्थानों में क्रमिक रूप से रखने पर श्रृंखला पूरी हो जाएगी।
PQRSO TT UV MW V

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

Q.8 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 – किकियाणा
 - ☒ 3. गधे – रेंकना
 - ☒ 4. बिल्लियां – फुफकारना

Q.9 दी गई श्रृंखला को तार्किक रूप से पूरा करने के लिए निम्नलिखित में से कौन-सा अक्षर-समूह प्रश्न चिह्न (?) के स्थान पर आएगा?
LPT, ?, BBF, JUL, RNR

- Ans
- ☒ 1. UTL
 - ☒ 2. COD
 - ☒ 3. TIZ
 - ☒ 4. FIZ

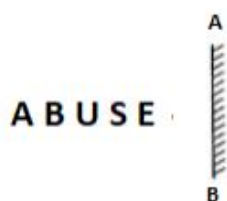
Q.10 एक निश्चित कूट भाषा में, 'How are you' को 'Co De Ki' लिखा जाता है और 'You look happy' को 'Th De Mo' लिखा जाता है।
उस कूट भाषा में 'you' को कैसे लिखा जाएगा?

- Ans
- ☒ 1. Co
 - ☒ 2. Mo
 - ☒ 3. De
 - ☒ 4. Ki

Q.11 यदि 'A' का अर्थ '+', 'B' का अर्थ 'x', 'C' का अर्थ '+' और 'D' का अर्थ '-' है, तो निम्नलिखित में से किसका परिणाम 652 होगा?

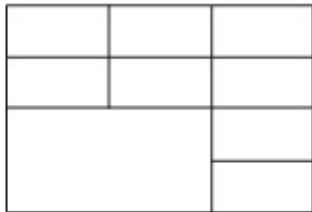
- Ans
- ☒ 1. 109 A 6 D 16 B 2 C 6
 - ☒ 2. 109 B 6 A 16 D 2 C 6
 - ☒ 3. 109 C 6 D 16 A 2 B 6
 - ☒ 4. 109 B 6 D 16 A 2 C 6

Q.12 उस विकल्प का चयन कीजिए जो दिए गए संयोजन के दर्पण में निर्मित प्रतिबिंब से सर्वाधिक मिलता जुलता हो।



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

Q.13 दी गई आकृति में कितने आयत हैं?



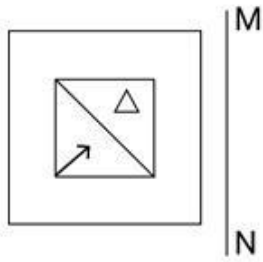
- Ans
- ☐ 1. 34
 - ☐ 2. 33
 - ☒ 3. 31
 - ☐ 4. 32

Q.14 एक निश्चित तर्क का अनुसरण करते हुए 17, 136 से संबंधित है। उसी तर्क का अनुसरण करते हुए 23, 184 से संबंधित है। उसी तर्क का अनुसरण करते हुए, 29 निम्नलिखित में से किससे संबंधित है?
(ध्यान दें: संख्याओं को उनके घटक अंकों में अलग-अलग किए बिना पूर्ण संख्याओं पर संक्रियाएं की जानी चाहिए। उदाहरण के लिए संख्या 13 - संख्या 13 पर संक्रियाएं जैसे 13 को जोड़ना/घटाना/गुणा करना आदि किया जा सकता है। 13 को 1 और 3 में अलग-अलग करने की और फिर 1 और 3 पर गणितीय संक्रियाएं करने की अनुमति नहीं है।)

- Ans
- ☐ 1. 228
 - ☐ 2. 234
 - ☐ 3. 230
 - ☒ 4. 232

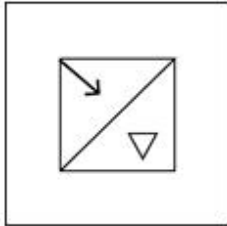
Q.15

दर्पण को दर्शाए गए अनुसार MN पर रखे जाने पर दी गई आकृति के सही दर्पण प्रतिबिंब का चयन कीजिए।

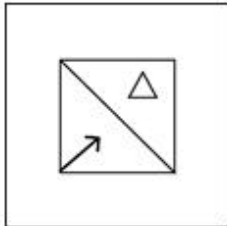


Ans

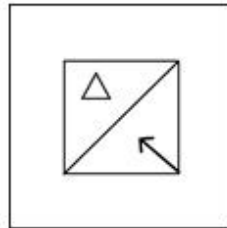
✗ 1.



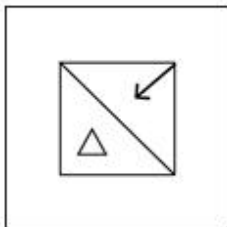
✗ 2.



✓ 3.



✗ 4.



Q.16

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।)

खुशी : दर्द

Ans

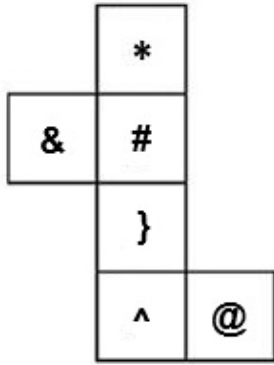
✓ 1. कोमल : क्रूर

✗ 2. तेज़ : शीघ्र

✗ 3. होशियार : बुद्धिमान

✗ 4. क्रोधित : उग्र

Q.17 यदि नीचे दी गई शीट को मोड़कर एक घन बनाया जाए तो '*' के विपरीत फ़लक पर कौन-सा चिन्ह होगा?



Ans ☒ 1. }

☐ 2. @

☐ 3. &

☐ 4. ^

Q.18 यदि शब्द 'POWDERS' के प्रत्येक अक्षर को अंग्रेजी वर्णानुक्रम में व्यवस्थित किया जाए तो कितने अक्षरों का स्थान अपरिवर्तित रहेगा?

Ans ☐ 1. एक

☐ 2. तीन से अधिक

☒ 3. एक का भी नहीं

☐ 4. तीन

Q.19 एक निश्चित कूट भाषा में, 'now or never' को 'ak bj ut' लिखा जाता है और 'never be late' को 'bj tl cv' लिखा जाता है। उस कूट भाषा में 'never' को कैसे लिखा जाएगा?

Ans ☐ 1. ak

☒ 2. bj

☐ 3. tl

☐ 4. cv

Q.20 चार अक्षर-समूह दिए गए हैं, जिनमें से तीन किसी प्रकार समान हैं और एक असंगत है। उस असंगत अक्षर-समूह का चयन कीजिए।
(ध्यान दें: असंगत अक्षर-समूह, उस अक्षर-समूह में व्यंजनों/स्वरों की संख्या या उनके स्थान पर आधारित नहीं है।)

Ans ☒ 1. CWSR

☐ 2. MGCA

☐ 3. SMIG

☐ 4. KEAY

Q.21 तीन कथनों के बाद I, II क्रमांकित निष्कर्ष दिए गए हैं। आपको इन कथनों को सत्य मानना होगा, चाहे वे समान्यतः ज्ञात तथ्यों से अलग प्रतीत होते हों। आपको निश्चय करना है कि कौन-सा/कौन-से निष्कर्ष तार्किक रूप से दिए गए कथन/कथनों के अनुसार है/हैं।

कथन:

कुछ बैग, कागज हैं।

सभी लकड़ी, कागज हैं।

कुछ बैग, गुड़ियां हैं।

निष्कर्ष (I): सभी गुड़ियां, कागज हैं।

निष्कर्ष (II): कुछ बैग, लकड़ी हैं।

Ans ☒ 1. न तो निष्कर्ष (I) और न ही (II) कथनों के अनुसार है।

☐ 2. केवल निष्कर्ष (I) कथनों के अनुसार है।

☐ 3. केवल निष्कर्ष (II) कथनों के अनुसार है।

☐ 4. दोनों निष्कर्ष (I) और (II) कथनों के अनुसार हैं।

Q.22 दी गई श्रृंखला में प्रश्न चिह्न (?) के स्थान पर क्या आना चाहिए?

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

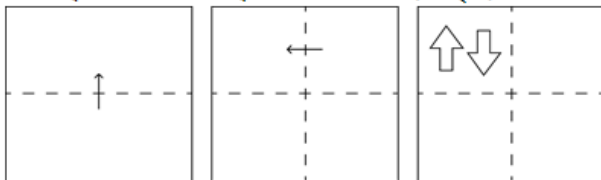
- Ans
- ☒ 1. 4000
 - ☒ 2. 8000
 - ☒ 3. 9261
 - ☒ 4. 6000

Q.23 यदि 'T' का अर्थ '+', 'P' का अर्थ ' $\div$ ', 'Q' का अर्थ ' $\times$ ' और 'R' का अर्थ '-' है, तो निम्नलिखित समीकरण में प्रश्न चिह्न (?) के स्थान पर क्या आएगा?

24 T 36 P 48 Q 32 R 40 T 53 = ?

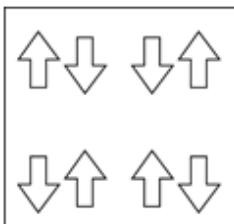
- Ans
- ☒ 1. 73
 - ☒ 2. 48
 - ☒ 3. 61
 - ☒ 4. 31

Q.24 कागज की एक वर्गाकार शीट को दर्शाई गई दिशाओं में बिंदीदार रेखा पर अनुक्रमशः मोड़ा जाता है और आखिर में उसमें छेद किया जाता है। खोलने पर यह कागज कैसा दिखाई देगा?

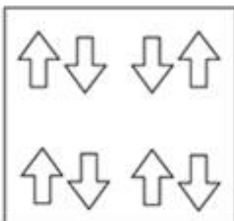


Ans

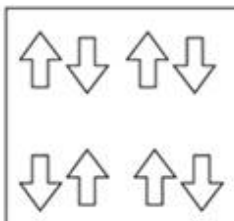
☒ 1.



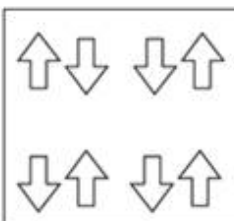
☒ 2.



☒ 3.



☒ 4.



- Q.25 यदि 'A' का अर्थ ' $\div$ ', 'B' का अर्थ ' $\times$ ', 'C' का अर्थ ' $+$ ' और 'D' का अर्थ ' $-$ ' है, तो निम्नलिखित समीकरण में प्रश्न चिन्ह (?) के स्थान पर क्या आएगा?
- 26 B 3 C 5 D 120 A 4 = ?
- Ans ☐ 1. 57
- ☐ 2. 51
- ☒ 3. 53
- ☐ 4. 55

Section : **Quantitative Aptitude**

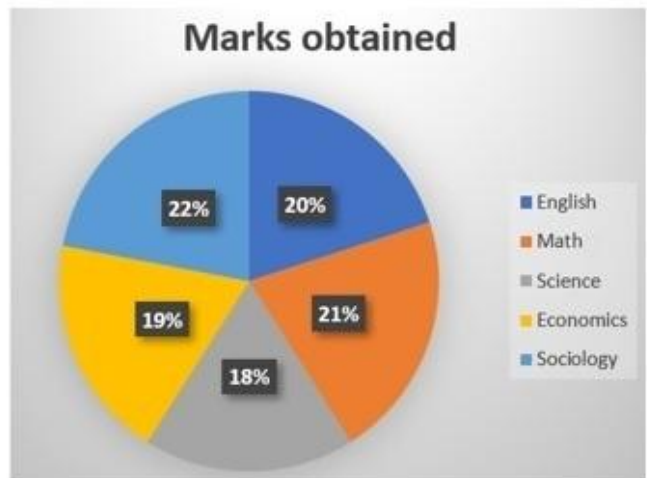
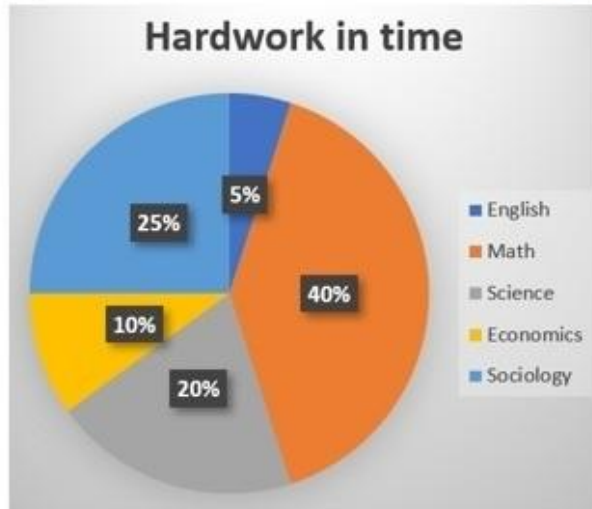
- Q.1 त्रिभुज ABC में $AB = AC$ । BC को D तक इस प्रकार बढ़ाया जाता है कि $CD = AB$ और कोण ADC 30° है । त्रिभुज ABC के कोण कितनी डिग्री के हैं?
- Ans ☐ 1. $45^\circ, 60^\circ, 75^\circ$
- ☐ 2. $30^\circ, 60^\circ, 90^\circ$
- ☒ 3. $60^\circ, 60^\circ, 60^\circ$
- ☐ 4. $50^\circ, 60^\circ, 70^\circ$
- Q.2 अखिल एक काम 24 दिनों में पूरा कर सकता है। श्याम उसी काम को 12 दिनों में पूरा कर सकता है। यदि वे दोनों साथ मिलकर काम करते हैं, तो वे उसी काम को कितने दिनों में पूरा कर सकते हैं?
- Ans ☒ 1. 8 दिन
- ☐ 2. 12 दिन
- ☐ 3. 10 दिन
- ☐ 4. 6 दिन
- Q.3 K के किस धनात्मक मान के लिए रैखिक समीकरणों के निम्नलिखित युग्म के अनंत रूप से अनेक हल हैं?
- $kx + 3y - (k - 3) = 0$
 $12x + ky - k = 0$
- Ans ☐ 1. 12
- ☒ 2. 6
- ☐ 3. 4
- ☐ 4. 2
- Q.4 यदि एक ठोस लम्बवृत्तीय बेलन की ऊंचाई 27 cm है और इसके आधार का व्यास 30 cm है, तो लम्बवृत्तीय बेलन का कुल पृष्ठीय क्षेत्रफल (cm^2 में) कितना है?
- ($\pi = \frac{22}{7}$ का प्रयोग करें)
- Ans ☐ 1. 3978
- ☒ 2. 3960
- ☐ 3. 3976
- ☐ 4. 3964
- Q.5 एक मिश्रण में ऐल्कोहॉल और पानी का अनुपात 12 : 5 है। इस मिश्रण में 14 लीटर पानी मिलाने पर ऐल्कोहॉल और पानी का अनुपात 4 : 3 हो जाता है। मिश्रण में ऐल्कोहॉल की मात्रा कितनी है?
- Ans ☐ 1. 18 लीटर
- ☒ 2. 42 लीटर
- ☐ 3. 28 लीटर
- ☐ 4. 30 लीटर

Q.6 एक वृत्त से 30° के केंद्रीय कोण वाला त्रिज्यखंड काटा जाता है। यदि इस त्रिज्यखंड के चाप की लंबाई 5.5 cm है, तो वृत्त की त्रिज्या (cm में) ज्ञात कीजिए।

$$[\pi = \frac{22}{7} \text{ का उपयोग कीजिए।}]$$

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

Q.7 एक छात्र की एक परीक्षा में 5 विषय हैं। 5 विषयों में प्रतिदिन 16 घंटे की कड़ी मेहनत का वितरण और 500 में से प्राप्त किए गए 400 अंक चार्ट में दिखाए गए हैं।



Hardwork in Time: समय में कड़ी मेहनत Marks Obtained: प्राप्त अंक

English: अंग्रेज़ी

English: अंग्रेज़ी

Math: गणित

Math: गणित

Science: विज्ञान

Science: विज्ञान

Economics: अर्थशास्त्र

Economics: अर्थशास्त्र

Sociology: समाज शास्त्र

Sociology: समाज शास्त्र

छात्र ने गणित पर कितना समय बिताया और गणित में कितने अंक प्राप्त किए?

- Ans
- ☐ 1. 6.4 घंटे और 90 अंक
 - ☒ 2. 6.4 घंटे और 84 अंक
 - ☐ 3. 40 घंटे और 21 अंक
 - ☐ 4. 9.6 घंटे और 84 अंक

Q.8 100 m की एक दौड़ में, A, B को 20 m से और B, C को 5 m से हराता है। उसी दौड़ में, वह दूरी ज्ञात कीजिए जिससे A, C को हराता है।

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

Q.9 60 cm आधार व्यास और 10 cm ऊंचाई वाले वाले एक बेलन के पार्श्व पृष्ठीय क्षेत्रफल और संपूर्ण पृष्ठीय क्षेत्रफल का अनुपात क्या होगा?

- Ans
- ☒ 1. 1:4
 - ☐ 2. 1:3
 - ☐ 3. 1:7
 - ☐ 4. 1:9

Q.10 एक दुकानदार ₹32,400 में 1800 kg गेहूं खरीदता है। यदि इस गेहूं का 20% बारिश के कारण खराब हो जाता है, तो उसे 20% लाभ अर्जित करने के लिए शेष गेहूं को किस दर (₹/kg) पर बेचना चाहिए?

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

Q.11 6 cm, 8 cm और 10 cm व्यास वाले 3 ठोस गोलों को एक साथ पिघलाकर एक ठोस गोला बनाया जाता है। इसकी त्रिज्या ज्ञात कीजिए।

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

Q.12 यदि चाय की कीमतों में 40% की वृद्धि होती है, तो चाय की खपत को कितने प्रतिशत कम किया जाना चाहिए ताकि व्यय में कोई वृद्धि न हो?

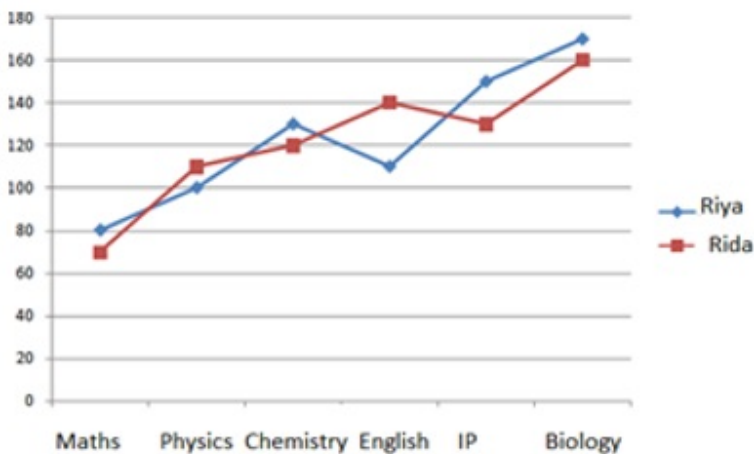
- Ans
- ☒ 1. $28\frac{4}{7}\%$
 - ☐ 2. $35\frac{9}{2}\%$
 - ☐ 3. $31\frac{3}{5}\%$
 - ☐ 4. $15\frac{2}{9}\%$

Q.13 यदि $\cot \theta = \frac{3}{4}$; θ एक न्यून कोण है, तो $\sin \theta + \cos \theta - \tan \theta$ बराबर होगा:

- Ans
- ☒ 1. $\frac{1}{15}$
 - ☐ 2. $\frac{1}{11}$
 - ☐ 3. $\frac{1}{13}$
 - ☐ 4. $\frac{1}{18}$

Q.14 निम्नलिखित ग्राफ का अध्ययन कीजिए और नीचे दिए गए प्रश्न का उत्तर दीजिए।

ग्राफ में सीबीएसई (CBSE) 12वीं की परीक्षा में छह विषयों में रिया और रिदा द्वारा प्राप्त अंकों को दर्शाया गया है। गणित, भौतिकी और रसायन विज्ञान में अधिकतम अंक 140 और अंग्रेजी, आईपी और जीवविज्ञान में अधिकतम अंक 180 है।



Riya = रिया Rida = रिदा Maths = गणित Physics = भौतिकी

Chemistry = रसायन विज्ञान English = अंग्रेजी

IP = आईपी Biology = जीवविज्ञान

रसायन विज्ञान में रिया द्वारा प्राप्त अंकों का प्रतिशत कितना है?

- Ans
- ✓ 1. 92.86%
 - ✗ 2. 95.87%
 - ✗ 3. 92.68%
 - ✗ 4. 99.38%

Q.15 ₹8,000 की धनराशि का आंशिक रूप से 2 वर्ष के लिए योजना 1 में 5% साधारण ब्याज की दर से और शेष धनराशि का योजना 2 में 4% साधारण ब्याज की दर से निवेश किया जाता है। अवधि के अंत में प्राप्त कुल ब्याज ₹720 था। योजना 1 में निवेश की गई धनराशि कितनी है?

- Ans
- ✓ 1. ₹4,000
 - ✗ 2. ₹7,200
 - ✗ 3. ₹4,400
 - ✗ 4. ₹3,640

Q.16 एक व्यक्ति ने ₹50 प्रति पुस्तक के मूल्य से 4 पुस्तकें, ₹60 प्रति पुस्तक के मूल्य से 5 पुस्तकें और ₹70 प्रति पुस्तक के मूल्य से 6 पुस्तकें खरीदीं। व्यक्ति लिए एक पुस्तक का औसत मूल्य क्या है (दशमलव के दो स्थानों तक सन्निकटित)?

- Ans
- ✗ 1. ₹50.33
 - ✗ 2. ₹60.33
 - ✗ 3. ₹36.33
 - ✓ 4. ₹61.33

Q.17 यदि नेहा की आय मोनिका की आय से 5% अधिक है, तो मोनिका की आय नेहा की आय से कितने प्रतिशत कम है?

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

Q.18 निम्न में से वह सबसे छोटी संख्या कौन-सी है जिसे 19487161 में जोड़ना होगा ताकि वह 11 से विभाज्य हो जाए?

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

Q.19 निम्नलिखित तालिका किसी देश में पाँच वर्षों में खाद्यान्नों के उत्पादन को दर्शाती है।

वर्ष	उत्पादन (दस लाख टन में)			
	गेहूँ	चावल	मक्का	अन्य अनाज
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

इन वर्षों में गेहूँ और मक्के के औसत उत्पादन (दस लाख टन में) के बीच अंतर ज्ञात कीजिए।

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

Q.20 रामू अपनी आय का 72% खर्च करता है। उसकी आय में 12% की वृद्धि होती है, और वह अपने खर्च में 5% की वृद्धि करता है। यदि रामू पहले `y बचत करता था और वृद्धि के बाद अब वह `x बचत करता है, तो $(\frac{x-y}{y} \times 100)\%$ का मान क्या है?

- Ans
- ☐ 1. 27%
 - ☒ 2. 30%
 - ☐ 3. 25%
 - ☐ 4. 22%

Q.21 एक वृत्त में, O केंद्र है और AOB व्यास है। AT वृत्त की स्पर्श रेखा है। रेखा TB वृत्त को Q पर प्रतिच्छेद करती है। दिया गया है कि $\angle AOQ = 94^\circ$ है, तो $\angle ATQ$ ज्ञात कीजिए।

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

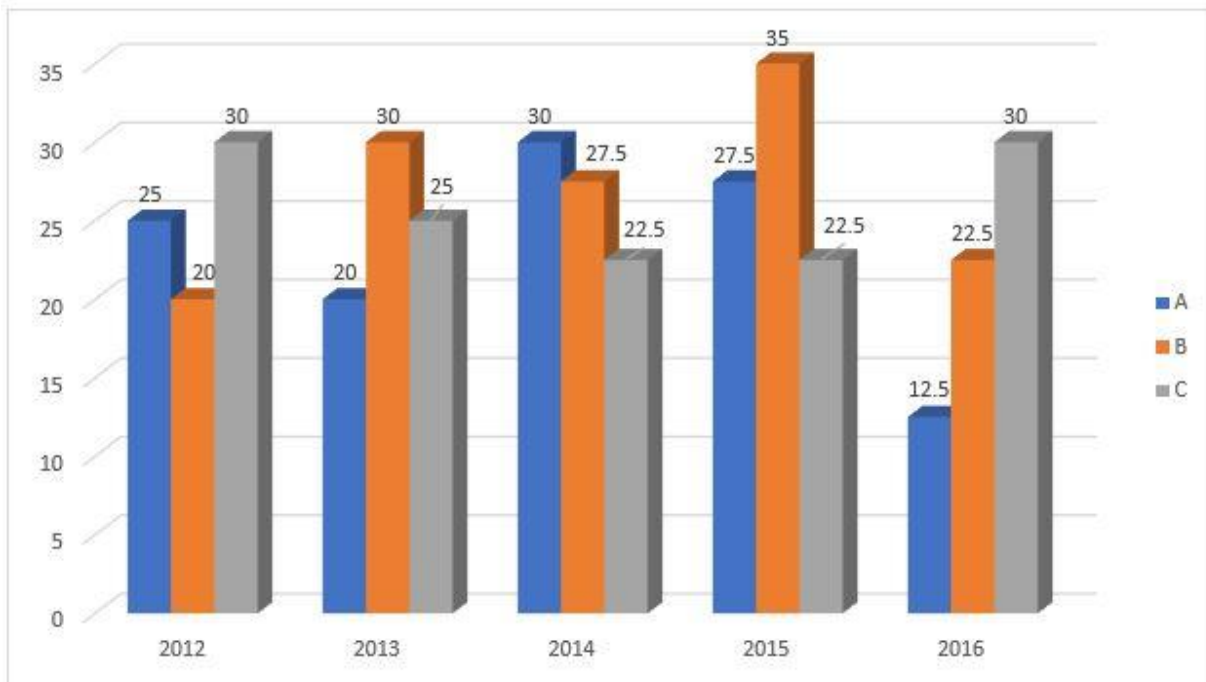
Q.22 5 इकाई और 8 इकाई लंबाई की दो समानांतर जीवाएं 7 इकाई त्रिज्या वाले एक वृत्त के केंद्र की सम्मुख दिशाओं (opposite sides) में हैं। जीवाओं के बीच की दूरी कितनी है? (अपने उत्तर को दशमलव के दो स्थानों तक सन्निकटित करें)

- Ans
- ✓ 1. 12.28 इकाई
 - ✗ 2. 12.82 इकाई
 - ✗ 3. 11.28 इकाई
 - ✗ 4. 11.82 इकाई

Q.23 दिए गए व्यंजक को सरल कीजिए। $\left[3 \times 6 - 3 \left\{ 2 \left(2 \div \frac{1}{2} - 2 \right) + 2 \div \frac{1}{2} \right\} - 18 \right]$

- Ans
- ✗ 1. 18
 - ✓ 2. -24
 - ✗ 3. -18
 - ✗ 4. 24

Q.24 निम्नलिखित दंड आलेख कुछ वर्षों में एक कंपनी द्वारा तीन प्रकार की बसों के निर्माण (हजारों में) को दर्शाता है।



निम्नलिखित में से किस वर्ष में B प्रकार की बसों का निर्माण प्रतिशत, C प्रकार की बसों के निर्माण से अधिकतम था?

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

Q.25 किसी वस्तु के अंकित मूल्य पर 35% की छूट देने पर 35% का लाभ होता है। छूट 45% होने पर लाभ प्रतिशत क्या होगा?

- Ans
- ✗ 1. $13\frac{3}{17}\%$
 - ✗ 2. $11\frac{3}{13}\%$
 - ✓ 3. $14\frac{3}{13}\%$
 - ✗ 4. $17\frac{1}{13}\%$

Q.1	भारत की पहली सीनियर राष्ट्रीय तीरंदाज़ी चैम्पियनशिप (Senior National Archery Championship) कहाँ और कब आयोजित की गई थी?
Ans	✗ 1. दिल्ली, 1975 ✗ 2. चेन्नई, 1973 ✓ 3. दिल्ली, 1973 ✗ 4. चेन्नई, 1975
Q.2	स्थिर कीमतों पर राष्ट्रीय आय का क्या अर्थ है?
Ans	✗ 1. अगले वर्ष की कीमतों के लिए अनुमानित आय ✗ 2. किसी भी वर्ष की कीमतों पर अनुमानित आय ✓ 3. आधार वर्ष की कीमतों पर अनुमानित आय ✗ 4. चालू वर्ष की कीमतों पर अनुमानित आय
Q.3	देशभक्ति गीत 'माँ तुझे सलाम' के संगीत की रचना किसने की थी?
Ans	✗ 1. अनु मलिक ✗ 2. हिमेश रेशमिया ✓ 3. ए आर रहमान ✗ 4. शंकर महादेवन
Q.4	नवंबर 2023 में, निम्नलिखित में से किसने भारत के मुख्य सूचना आयुक्त (chief of the Central Information Commission of India) के रूप में शपथ ली?
Ans	✗ 1. यशोवर्धन आजाद (Yashovardhan Azad) ✓ 2. हीरालाल सामरिया (Heeralal Samariya) ✗ 3. बिमल जुल्का (Bimal Julka) ✗ 4. दिव्य प्रकाश सिन्हा (Divya Prakash Sinha)
Q.5	ए आर रहमान ने माइकल जैक्सन के साथ निम्नलिखित में से कौन सा संगीत एल्बम रिकॉर्ड किया था?
Ans	✗ 1. द ऑरेकल ✓ 2. एकम सत्यम ✗ 3. इन्फिनिटी लव ✗ 4. यू आर माय डेस्टिनी
Q.6	निम्नलिखित में से कौन-सी जनजाति भारत में नहीं रहती है?
Ans	✗ 1. गोंड (Gond) ✗ 2. थारु (Tharu) ✗ 3. संथाल (Santhal) ✓ 4. मसाई (Maasai)
Q.7	हम एमएस-पावरपॉइंट (MS-PowerPoint) में स्लाइड में टेक्स्ट कैसे जोड़ सकते हैं?
Ans	✗ 1. डायलॉग बॉक्स ✗ 2. नोट बॉक्स ✓ 3. टेक्स्टबॉक्स ✗ 4. नोट्स पेज
Q.8	थॉमस कप (Thomas Cup) निम्नलिखित में से किस खेल से संबंधित है?
Ans	✓ 1. पुरुष बैडमिंटन ✗ 2. पुरुष टेनिस ✗ 3. महिला टेनिस ✗ 4. महिला बैडमिंटन

Q.9 भारत के विशेष आर्थिक क्षेत्रों (Special Economic Zones - SEZ) के बारे में निम्नलिखित में से कौन-सा/कौन-से कथन गलत है/हैं?

- i. क्षेत्र अधिनियम का एक मुख्य उद्देश्य वस्तुओं और सेवाओं के निर्यात को बढ़ावा देना था।
- ii. भारत सरकार ने वर्ष 2011 में विशेष आर्थिक क्षेत्र (SEZ) नीति की घोषणा की।
- iii. SEZ नियमों में SEZ की विभिन्न श्रेणियों के लिए अलग-अलग न्यूनतम भूमि की आवश्यकता का प्रावधान किया गया।

- Ans**
- ☒ 1. केवल i और ii
 - ☒ 2. केवल ii
 - ☒ 3. केवल ii और iii
 - ☒ 4. केवल iii

Q.10 एक सिमपोर्ट (symport) में:

- Ans**
- ☒ 1. दोनों अणु झिल्ली को विपरीत दिशा में पार करते हैं
 - ☒ 2. एक अणु अन्य अणुओं से स्वतंत्र एक झिल्ली को पार करता है
 - ☒ 3. दोनों अणु एक ही दिशा में झिल्ली को पार करते हैं
 - ☒ 4. एक अणु अन्य अणुओं के अनुसार झिल्ली को पार करता है

Q.11 भारत के संविधान का कौन-सा भाग 'नागरिकता' से संबंधित है?

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

Q.12 उच्चतम जनसंख्या वृद्धि दर (जनगणना, 2011) के आधार पर, उस विकल्प का चयन करें जो निम्नलिखित राज्यों को अवरोही क्रम में व्यवस्थित करता है।

- A) बिहार
- B) अरुणाचल प्रदेश
- C) मेघालय

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

Q.13 _____ का जन्मदिन अंतर्राष्ट्रीय अहिंसा दिवस के रूप में मनाया जाता है।

- Ans**
- ☒ 1. रवीन्द्रनाथ टैगोर
 - ☒ 2. भीमराव अंबेडकर
 - ☒ 3. महात्मा गांधी
 - ☒ 4. सरदार वल्लभभाई पटेल

Q.14 _____ भारत की केंद्र सरकार द्वारा प्रायोजित प्रसिद्ध योजनाओं में से एक है। इसे देश की बीमार बिजली वितरण कंपनियों को बचाने के उद्देश्य से नवंबर 2015 में शुरू किया गया था।

- Ans**
- ☒ 1. इंटेग्रेटेड पॉवर डेवलपमेंट स्कीम (IPDS)
 - ☒ 2. दीनदयाल उपाध्याय ग्राम ज्योति योजना
 - ☒ 3. वन नेशन, वन ग्रिड
 - ☒ 4. उज्ज्वल डिस्कॉम (DISCOM) एस्योरेंस योजना

Q.15 निम्नलिखित में से कौन-सा विकल्प सेल में टेक्स्ट के अलाइनमेंट (alignment) का एक ऑप्शन नहीं है?

- Ans**
- ☒ 1. राईट (Right)
 - ☒ 2. जस्टीफ़ाइड (Justified)
 - ☒ 3. लेफ्ट (Left)
 - ☒ 4. सेंटर (Center)

Q.16 स्वदेशी खेल गतका (Gatka) की उत्पत्ति कहाँ से हुई है?

- Ans**
- ☒ 1. राजस्थान
 - ☒ 2. पंजाब
 - ☒ 3. मणिपुर
 - ☒ 4. जम्मू और कश्मीर

Q.17 निम्नलिखित में से कौन सा राज्य और लोक नृत्य का युग्म सही सुमेलित है?

- Ans
- ☒ 1. पंजाब - भांगड़ा नृत्य
 - ☐ 2. हरियाणा – गरिया या गोरिया नृत्य
 - ☐ 3. गुजरात - बिहू नृत्य
 - ☐ 4. केरल – घूमर नृत्य

Q.18 निम्नलिखित में से कौन सी उष्णकटिबंधीय पर्णपाती वनों की सबसे प्रमुख प्रजाति है?

- Ans
- ☒ 1. सागौन
 - ☐ 2. नारियल
 - ☐ 3. रबड़
 - ☐ 4. शहतूत

Q.19 _____ में ब्रज उत्सव हर साल होली से कुछ दिन पहले फाल्गुन माह के शुक्ल पक्ष में दो दिनों के लिए आयोजित किया जाता है।

- Ans
- ☐ 1. हिमाचल प्रदेश
 - ☐ 2. मध्यप्रदेश
 - ☐ 3. हरियाणा
 - ☒ 4. राजस्थान

Q.20 भारतीय संविधान के किस अनुच्छेद की विवेकाधीन शक्ति के तहत भारत के सर्वोच्च न्यायालय ने यौन कार्य को पेशे के रूप में मान्यता दी?

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

Q.21 महाराष्ट्र में औरंगाबाद के पास एलोरा में कैलाश मंदिर (Kailasha temple) _____ राजवंश के राजा द्वारा बनवाया गया था।

- Ans
- ☒ 1. राष्ट्रकूट
 - ☐ 2. गुर्जर-प्रतिहार
 - ☐ 3. प्रतिहार
 - ☐ 4. चंदेल

Q.22 निम्नलिखित में से किस समिति ने भारत के संविधान में मौलिक कर्तव्यों पर एक अध्याय शामिल करने की सिफारिश की थी और इस बात पर जोर दिया था कि नागरिकों को इस बात के प्रति भी जागरूक होना चाहिए कि अधिकारों का आनंद लेने के साथ-साथ, उन्हें कुछ कर्तव्यों का भी पालन करना होगा?

- Ans
- ☐ 1. बलवंत राय मेहता समिति (1976)
 - ☒ 2. स्वर्ण सिंह समिति (1976)
 - ☐ 3. जे.आर. वर्मा समिति (1996)
 - ☐ 4. अशोक मेहता समिति (1977)

Q.23 मणिपुर के पूर्व केंद्रीय मंत्री _____ को पिछले चार दशकों में सार्वजनिक मामलों में उनके योगदान के लिए केंद्र सरकार द्वारा 2023 में पद्म श्री से सम्मानित किया गया था।

- Ans
- ☒ 1. थौनाओजम चाओबा (Thounaojam Chaoba)
 - ☐ 2. ओकराम इबोबी सिंह (Okram Ibobi Singh)
 - ☐ 3. युमनाम जॉयकुमार (Yumnam Joykumar)
 - ☐ 4. थोकचोम राधेश्याम सिंह (Thokchom Radheshyam Singh)

Q.24 'हॉर्सपावर' शब्द इंजन द्वारा उत्पादित शक्ति को दर्शाता है, इस शब्द का सबसे पहले उपयोग किसने किया था?

- Ans
- ☐ 1. जॉन डाल्टन
 - ☐ 2. एमेडियो अवोगाद्रो
 - ☒ 3. जेम्स वॉट
 - ☐ 4. अल्बर्ट आइंस्टीन

Q.25 निम्नलिखित में से कौन-सा बृहस्पति का चन्द्रमा नहीं है?

- Ans
- ☒ 1. ट्राइटन
 - ☐ 2. गैनीमीड
 - ☐ 3. यूरोपा
 - ☐ 4. कैलिस्टो

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	05/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I VH

Section : English Language

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
The soldiers / were selected / on the section / of 'gallantry of spirits'.

- Ans**
- ☒ 1. of 'gallantry of spirits'.
 - ☒ 2. on the section
 - ☒ 3. The soldiers
 - ☒ 4. were selected

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

The captain dropped the trophy while he _____ the victory with his teammates.

- Ans**
- ☒ 1. celebrated
 - ☒ 2. celebrates
 - ☒ 3. is celebrating
 - ☒ 4. was celebrating

Q.3 Select the option that corrects the following sentence.
All tickets of the FIFA World Cup have been sold away.

- Ans**
- ☒ 1. All tickets of the FIFA World Cup have been sold across.
 - ☒ 2. All tickets of the FIFA World Cup have been sold among.
 - ☒ 3. All tickets of the FIFA World Cup have been sold out.
 - ☒ 4. All tickets of the FIFA World Cup have been sold into.

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

We has travelled / to many states / of India to get / an essence of its diversity.

- Ans**
- ☒ 1. We has travelled
 - ☒ 2. of India to get
 - ☒ 3. to many states
 - ☒ 4. an essence of its diversity

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.

For decades, humans have tried to theorise the origin and evolution of the universe. Many theories have been proposed and rejected. However, the Big Bang theory has been the most (1) _____ accepted. According to this theory, the universe began as a single point, or singularity, around 13.8 billion years ago. This singularity contained all the matter and energy that would eventually (2) _____ the stars, galaxies and other structures that make up our universe today. The Big Bang theory is supported by a (3) _____ of observational evidence, including the cosmic microwave background radiation, the (4) _____ of light elements in the universe and the large-scale structure of the cosmos. Despite its success, the Big Bang theory is still an active area of research, with scientists seeking to better understand the earliest moments of the universe and the (5) _____ of dark matter and energy.

SubQuestion No : 5

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

- Ans**
- ☒ 1. loosely
 - ☒ 2. vastly
 - ☒ 3. largely
 - ☒ 4. widely

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.

For decades, humans have tried to theorise the origin and evolution of the universe. Many theories have been proposed and rejected. However, the Big Bang theory has been the most (1) _____ accepted. According to this theory, the universe began as a single point, or singularity, around 13.8 billion years ago. This singularity contained all the matter and energy that would eventually (2) _____ the stars, galaxies and other structures that make up our universe today. The Big Bang theory is supported by a (3) _____ of observational evidence, including the cosmic microwave background radiation, the (4) _____ of light elements in the universe and the large-scale structure of the cosmos. Despite its success, the Big Bang theory is still an active area of research, with scientists seeking to better understand the earliest moments of the universe and the (5) _____ of dark matter and energy.

SubQuestion No : 6

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

- Ans**
- ☒ 1. destroy
 - ☒ 2. design
 - ☒ 3. form
 - ☒ 4. prepare

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.

For decades, humans have tried to theorise the origin and evolution of the universe. Many theories have been proposed and rejected. However, the Big Bang theory has been the most (1) _____ accepted. According to this theory, the universe began as a single point, or singularity, around 13.8 billion years ago. This singularity contained all the matter and energy that would eventually (2) _____ the stars, galaxies and other structures that make up our universe today. The Big Bang theory is supported by a (3) _____ of observational evidence, including the cosmic microwave background radiation, the (4) _____ of light elements in the universe and the large-scale structure of the cosmos. Despite its success, the Big Bang theory is still an active area of research, with scientists seeking to better understand the earliest moments of the universe and the (5) _____ of dark matter and energy.

SubQuestion No : 7

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

- Ans**
- ☒ 1. store
 - ☒ 2. wealth
 - ☒ 3. debt
 - ☒ 4. rich

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.

For decades, humans have tried to theorise the origin and evolution of the universe. Many theories have been proposed and rejected. However, the Big Bang theory has been the most (1) _____ accepted. According to this theory, the universe began as a single point, or singularity, around 13.8 billion years ago. This singularity contained all the matter and energy that would eventually (2) _____ the stars, galaxies and other structures that make up our universe today. The Big Bang theory is supported by a (3) _____ of observational evidence, including the cosmic microwave background radiation, the (4) _____ of light elements in the universe and the large-scale structure of the cosmos. Despite its success, the Big Bang theory is still an active area of research, with scientists seeking to better understand the earliest moments of the universe and the (5) _____ of dark matter and energy.

SubQuestion No : 8

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

- Ans**
- ☒ 1. success
 - ☒ 2. plenty
 - ☒ 3. abundance
 - ☒ 4. fortune

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.

For decades, humans have tried to theorise the origin and evolution of the universe. Many theories have been proposed and rejected. However, the Big Bang theory has been the most (1) _____ accepted. According to this theory, the universe began as a single point, or singularity, around 13.8 billion years ago. This singularity contained all the matter and energy that would eventually (2) _____ the stars, galaxies and other structures that make up our universe today. The Big Bang theory is supported by a (3) _____ of observational evidence, including the cosmic microwave background radiation, the (4) _____ of light elements in the universe and the large-scale structure of the cosmos. Despite its success, the Big Bang theory is still an active area of research, with scientists seeking to better understand the earliest moments of the universe and the (5) _____ of dark matter and energy.

SubQuestion No : 9

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

- Ans
- ☒ 1. environment
 - ☒ 2. capture
 - ☒ 3. brand
 - ☒ 4. nature

Q.10 Select the most appropriate ANTONYM of the underlined word in the given sentence.
Essays must be concise .

- Ans
- ☒ 1. Lengthy
 - ☒ 2. Total
 - ☒ 3. Precise
 - ☒ 4. Excise

Q.11 Select the most appropriate option to fill in the blank.

Which _____ do you usually take to reach your office?

- Ans
- ☒ 1. rude
 - ☒ 2. root
 - ☒ 3. route
 - ☒ 4. rout

Q.12 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Employers in many developing countries report that a lack of skilled workers is a major and increasing bottleneck for their operations, affected their capacity to innovate.

- Ans
- ☒ 1. affect their capacity
 - ☒ 2. effecting their capacity
 - ☒ 3. effect their capacity
 - ☒ 4. affecting their capacity

Q.13 Select the most appropriate homophone to fill in the blank.
Arun knows perfectly well how to mix the food items with _____.

- Ans
- ☒ 1. saws
 - ☒ 2. sause
 - ☒ 3. sauce
 - ☒ 4. source

Q.14 The following sentence has been split into four segments. Identify the segment that contains a spelling error.
The make-up room was filled / with incadescent lights / which added to the misery / of those subjected to make-up.

- Ans
- ☒ 1. with incadescent lights
 - ☒ 2. of those subjected to make-up
 - ☒ 3. The make-up room was filled
 - ☒ 4. which added to the misery

Q.15 Identify the most appropriate ANTONYM of the underlined word in the given sentence.
The vendor said that the apples were of superior quality.

- Ans
- ☒ 1. Small
 - ☒ 2. Excellent
 - ☒ 3. Distasteful
 - ☒ 4. Inferior

Q.16 Read the sentence carefully and select the most appropriate option to substitute the underlined part.

The clamour distracted the priest and made him angry.

- Ans**
- ☒ 1. narrow-mindedness
 - ☒ 2. humorous deception
 - ☒ 3. loud and confused noise
 - ☒ 4. introduction of new things

Q.17 Select the most appropriate meaning of the underlined idiom.

The United Nations is working to eliminate the vicious cycle of poverty.

- Ans**
- ☒ 1. One problem causes other
 - ☒ 2. Loophole of something
 - ☒ 3. The barrier of poverty
 - ☒ 4. Strength of something

Q.18 Select the most appropriate meaning of the given idiom.

Bag and baggage

- Ans**
- ☒ 1. With all goods
 - ☒ 2. Fair and honest
 - ☒ 3. At the service
 - ☒ 4. By force

Q.19 Select the most appropriate synonym of the given word.
Permit

- Ans**
- ☒ 1. Disgrace
 - ☒ 2. Approve
 - ☒ 3. Abandon
 - ☒ 4. Flout

Q.20 Select the most appropriate option that can substitute the underlined word in the given sentence.
The dedicated teacher laboured assiduously to aid her pupils in achieving success.

- Ans**
- ☒ 1. committed
 - ☒ 2. uninvolved
 - ☒ 3. un-biased
 - ☒ 4. apathetic

Q.21 Select the correct collocation to complete the following sentence.

He made _____ use of the opportunity to travel.

- Ans**
- ☒ 1. total
 - ☒ 2. entire
 - ☒ 3. full
 - ☒ 4. whole

Q.22 Select the most appropriate synonym of the given word.
Tedious

- Ans**
- ☒ 1. Working
 - ☒ 2. Happening
 - ☒ 3. Boring
 - ☒ 4. Exciting

Q.23 Select the most appropriate option that can substitute the underlined word segment in the following sentence.
The girl which is wearing a blue shirt is my sister.

- Ans**
- ☒ 1. who wear a blue shirt
 - ☒ 2. who is wearing a blue shirt
 - ☒ 3. which is wearing the blue shirt
 - ☒ 4. which wear a blue shirt

Q.24 Select the most appropriate ANTONYM of the underlined word.
No one trusts her as her reasons are always explicit .

- Ans
- ☐ 1. Distant
 - ☐ 2. Precise
 - ☐ 3. Exact
 - ☒ 4. Ambiguous

Q.25 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Innoculate
 - ☐ 2. Immense
 - ☐ 3. Immaculate
 - ☐ 4. Irreverent

Section : **General Intelligence**

Q.1 Which two numbers should be interchanged to make the given equation correct?

$$(36 + 8) \div 4 + (38 - 16) \times 2 + 26 = 69$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

- Ans
- ☐ 1. 16 and 26
 - ☐ 2. 2 and 4
 - ☐ 3. 16 and 36
 - ☒ 4. 38 and 26

Q.2 RTVX is related to SUWY in a certain way based on the English alphabetical order. In the same way, KMOQ is related to LNPR. To which of the following is FHJL related, following the same logic?

- Ans
- ☐ 1. GIJK
 - ☐ 2. GHJK
 - ☒ 3. GIKM
 - ☐ 4. GIKN

Q.3 What should come in place of the question mark (?) in the given series?

63, 64, 66, 69, 73, ?

- Ans
- ☒ 1. 78
 - ☐ 2. 77
 - ☐ 3. 79
 - ☐ 4. 80

Q.4 If 'F' stands for '+', 'M' stands for 'x', 'P' stands for '+' and 'S' stands for '-', what will come in place of the question mark (?) in the following equation?
 $24\ S\ 36\ P\ 42\ F\ 2\ M\ 13 = ?$

- Ans
- ☐ 1. 986
 - ☐ 2. 434
 - ☒ 3. 261
 - ☐ 4. 234

Q.5 In a certain code language, 'SOAP' is coded as '4629' and 'SPOT' is coded as '9824'. How is 'A' coded in the given language?

- Ans
- ☐ 1. 4
 - ☒ 2. 6
 - ☐ 3. 8
 - ☐ 4. 2

Q.6 What will come in the place of '?' in the following equation if '+' and 'x' are interchanged and '-' and '÷' are interchanged?
 $21 - 7 \times 26 + 46 \div 36 = ?$

- Ans
- ☒ 1. 1163
 - ☐ 2. 8667
 - ☐ 3. 760
 - ☐ 4. 908

Q.7 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one 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. PNK
 - ☒ 2. RTQ
 - ☐ 3. BZW
 - ☐ 4. OMJ

Q.8 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(13, 234, 9)

(15, 180, 6)

(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. (17, 340, 5)
 - ☐ 2. (16, 240, 5)
 - ☐ 3. (12, 108, 9)
 - ☒ 4. (14, 196, 7)

Q.9 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☐ 1. RUX
 - ☒ 2. OQT
 - ☐ 3. EHK
 - ☐ 4. JMP

Q.10 Which of the following numbers will replace the question mark (?) in the given series?

11 4 22 20 44 100 88 500 ?

- Ans
- ☒ 1. 176
 - ☐ 2. 154
 - ☐ 3. 160
 - ☐ 4. 182

Q.11 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All jams are butter.

Some nibs are ink.

Some nibs are butter.

Conclusion (I): Some ink is butter.

Conclusion (II): All jams are nibs.

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

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

$$17 \text{ C } 69 \text{ A } 3 \text{ D } 22 \text{ B } 1 = ?$$

- Ans
- ☐ 1. 16
 - ☐ 2. 14
 - ☐ 3. 12
 - ☒ 4. 18

Q.13 In a certain code language, 'RING' is coded as '8317' and 'GRIT' is coded as '8913'. What is the code for 'T' in the given code language?

- Ans
- ☐ 1. 3
 - ☐ 2. 8
 - ☐ 3. 7
 - ☒ 4. 9

Q.14 In a certain code language,

A + B means 'A is the daughter of B'

A − B means 'A is the wife of B'

A × B means 'A is the brother of B'

A ÷ B means 'A is the father of B'.

Based on the above, if 'P + Q × R − S ÷ T', which of the following is true?

- Ans
- ☐ 1. P is the sister of T.
 - ☒ 2. P is the daughter of T's Mother's Brother.
 - ☐ 3. T is S's Son.
 - ☐ 4. Q is the brother of S.

Q.15 The position of how many letters will change if each of the letters in the word BINOCULARS is arranged from left to right in alphabetical order?

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

Q.16 What will come in place of '?' in the following equation, if '+' and '−' are interchanged and '×' and '÷' are interchanged?

$$15 + 2 - 13 \times 13 \div 3 = ?$$

- Ans
- ☒ 1. 16
 - ☐ 2. 23
 - ☐ 3. 24
 - ☐ 4. 18

Q.17 What should come in place of ? in the given series?

120 133 159 198 250 ?

- Ans
- ☐ 1. 322
 - ☐ 2. 326
 - ☐ 3. 328
 - ☒ 4. 315

Q.18 What should come in place of ? in the given series based on the English alphabetical order?

TUV RXR ? NDJ LGF

- Ans
- ☒ 1. PAN
 - ☐ 2. NAP
 - ☐ 3. VOI
 - ☐ 4. CAL

Q.19 12 is related to 72 following a certain logic. Following the same logic, 19 is related to 114. 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 /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. 173
 - ☐ 2. 171
 - ☒ 3. 174
 - ☐ 4. 170

Q.20 If 19 July 2012 is Thursday, then what will be the day of the week on 11 January 2018?

- Ans
- ☐ 1. Wednesday
 - ☐ 2. Saturday
 - ☐ 3. Monday
 - ☒ 4. Thursday

Q.21 Select the correct option that when filled in the blanks in the same sequence will make the series logically complete.
GH ST HO RGHOSPG_OS_

- Ans
- ☐ 1. GOHNP
 - ☐ 2. GORNH
 - ☐ 3. ORHSN
 - ☒ 4. OGSHN

Q.22 In a certain code language, 'pleased to meet' is written as 'bj sc vw' and 'meet and greet' is written as 'ih bj tf'. How is 'meet' written in the given language?

- Ans
- ☐ 1. tf
 - ☐ 2. vw
 - ☒ 3. bj
 - ☐ 4. ih

Q.23 TMBF is related to ATIM in a certain way based on the English alphabetical order. In the same way, CLGP is related to JSNW. To which of the following is QEAD related, following the same logic?

- Ans
- ☒ 1. XLHK
 - ☐ 2. XLKH
 - ☐ 3. XHKL
 - ☐ 4. XKHL

Q.24 The position of how many letters will remain unchanged if all the letters in the word DIALECT are arranged in alphabetical order?

- Ans
- ☐ 1. Three
 - ☐ 2. Four
 - ☒ 3. One
 - ☐ 4. Two

Q.25 The position of how many letters will remain unchanged if each of the letters in the word 'ELASTIC' is arranged in English alphabetical order?

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

Section : Quantitative Aptitude

Q.1 If $\frac{1}{M} : \frac{1}{N} : \frac{1}{O} = 3 : 4 : 5$, then M : N : O is equal to:

- Ans
- ☐ 1. 20 : 12 : 15
 - ☒ 2. 20 : 15 : 12
 - ☐ 3. 15 : 20 : 12
 - ☐ 4. 12 : 15 : 20

Q.2 A chord of length 12 units in a circle of radius 10 units is _____ units away from its centre.

- Ans
- ☒ 1. 8
 - ☐ 2. 9
 - ☐ 3. 6
 - ☐ 4. 10

Q.3 An equal sum of money was lent to P and Q at 8.6% per annum for a period of 7 years and 8 years, respectively. If the difference in interest paid by them was ₹172, then the sum lent to each was:

- Ans
- ☐ 1. ₹3,000
 - ☐ 2. ₹185
 - ☐ 3. ₹2,150
 - ☒ 4. ₹2,000

Q.4 If $\sin(X - Y) = \sin X \cos Y - \cos X \sin Y$, then the value of $\frac{\sin(A-B)}{\cos A \cos B} + \frac{\sin(B-C)}{\cos B \cos C}$ is:

- Ans
- ☒ 1. $\frac{\sin(A - C)}{\cos A \cos C}$
 - ☐ 2. $\frac{\cos(A + C)}{\cos A \cos C}$
 - ☐ 3. $\frac{\sin(C - A)}{\cos A \cos C}$
 - ☐ 4. $\frac{\cos(A + C)}{\sin A \sin C}$

Q.5 Find the height of the triangle whose base is two-thirds of its height and whose area is 363 cm^2

- Ans
- ☐ 1. 29 cm
 - ☐ 2. 27 cm
 - ☐ 3. 31 cm
 - ☒ 4. 33 cm

Q.6 In an election between two candidates, one candidate gets 72% of the total votes cast. If the total votes are 1000, by how many votes does the winner win the election?

- Ans
- ☒ 1. 440
 - ☐ 2. 360
 - ☐ 3. 720
 - ☐ 4. 250

Q.7 A number is first increased by 44% and then decreased by 30%. The net percentage change (rounded off to the nearest integer) in the original number is:

- Ans
- ☐ 1. decrease by 4%
 - ☒ 2. increase by 1%
 - ☐ 3. decrease by 1%
 - ☐ 4. increase by 4%

Q.8 Raju spends 80% of his income. His income increased by 20%, while his spending rise by 10%. The percentage of increase in his savings is:

- Ans
- ☐ 1. 40%
 - ☐ 2. 30%
 - ☒ 3. 60%
 - ☐ 4. 48%

Q.9 A solid copper sphere of radius 9 cm is drawn into a wire of radius 4 mm. Find the length of the wire.

- Ans
- ☐ 1. 65.25 m
 - ☐ 2. 70.25 m
 - ☒ 3. 60.75 m
 - ☐ 4. 20.75 m

Q.10 Simplify

$$\frac{\frac{1}{2} \div \frac{3}{4} \text{ of } \frac{5}{6}}{\frac{1}{2} \div \frac{3}{4} \times \frac{5}{6}} + \frac{2 + 2 \times 2}{2 \div 2 \times 2}$$

- Ans
- ☐ 1. $\frac{75}{36}$
 - ☒ 2. $\frac{111}{25}$
 - ☐ 3. $\frac{121}{25}$
 - ☐ 4. 4

Q.11 The diameter of the base of a cylindrical tank is 28 cm and its height is 42 cm. Find its curved surface area.

- Ans
- ☒ 1. 3696 cm^2
 - ☐ 2. 3680 cm^2
 - ☐ 3. 3690 cm^2
 - ☐ 4. 3686 cm^2

Q.12 A shopkeeper marks up his goods 32% above the cost price and gives a discount of 21% on the marked price. Find his gain percentage on the goods.

- Ans
- ☐ 1. 8.24%
 - ☐ 2. 4.82%
 - ☒ 3. 4.28%
 - ☐ 4. 8.42%

Q.13 In an election between two candidates, one got 60% of the total valid votes, whereas 20% of the votes were invalid. If the total number of votes was 8500, what was the number of valid votes that the other candidate got?

- Ans
- ☐ 1. 7650
 - ☐ 2. 5340
 - ☒ 3. 2720
 - ☐ 4. 4841

Q.14 PQ is a chord of a circle. The tangent XR at point X on the circle intersects the extension of PQ at point R. Given that XR = 12 cm, PQ = x cm, and QR = (x - 2) cm, find the value of x.

- Ans
- ☐ 1. 8 cm
 - ☐ 2. 9 cm
 - ☒ 3. 10 cm
 - ☐ 4. 11 cm

Q.15 $\triangle ABC$ and $\triangle DEF$ are similar and their areas are respectively 0.64 m^2 and 0.0121 m^2 . If EF = 0.154 m, then BC is:

- Ans
- ☒ 1. 1.12 m
 - ☐ 2. 2.12 m
 - ☐ 3. 11.2 m
 - ☐ 4. 1.15 m

Q.16 Write the smallest digit in the blank space of a number 7__7624, so that the number formed is divisible by 3.

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

Q.17 The radii of two concentric circles are 35 cm and 21 cm. If the chord of the greater circle is a tangent to the smaller circle, then the length of that chord is:

- Ans
- ☐ 1. 28 cm
 - ☒ 2. 56 cm
 - ☐ 3. 70 cm
 - ☐ 4. 42 cm

Q.18 To reach at a destination, D takes 45 minutes if he drives at a speed of 60 km/h . Due to some urgency, he is to reach the destination in 30 minutes. What should be his speed in km/h ?

- Ans
- ☒ 1. 90
 - ☐ 2. 80
 - ☐ 3. 60
 - ☐ 4. 75

Q.19 Shobhita can complete a painting work in 20 hours while Saroj can complete the same work in 15 hours. In how much time (in hours) can the entire work of painting be completed, if both Shobhita and Saroj work simultaneously?

- Ans
- ☐ 1. 7
 - ☐ 2. 8
 - ☐ 3. $7\frac{4}{7}$
 - ☒ 4. $8\frac{4}{7}$

Q.20 In a $\triangle ABC$, $\angle BAC = 90^\circ$. AD is perpendicular to BC . Which of the following ratios is correct?

- Ans
- ☐ 1. $\frac{AC}{AD} = \frac{BD}{AB} = \frac{AB}{BD}$
 - ☐ 2. $\frac{AB}{AD} = \frac{BC}{AB} = \frac{AB}{BD}$
 - ☐ 3. $\frac{AC}{AD} = \frac{BC}{AB} = \frac{AD}{BD}$
 - ☒ 4. $\frac{AC}{AD} = \frac{BC}{AB} = \frac{AB}{BD}$

Q.21 If the 5-digit number $559ab$ is divisible by 3, 7 and 11, then what is the value of $a^2 + b^2$?

- Ans
- ☐ 1. 9
 - ☐ 2. 10
 - ☐ 3. 1
 - ☒ 4. 4

Q.22 If the numerator of a fraction is increased by 150% and the denominator is increased by 250%, then the resultant fraction is $\frac{4}{9}$. The original fraction is:

- Ans
- ☐ 1. $\frac{2}{9}$
 - ☐ 2. $\frac{3}{5}$
 - ☒ 3. $\frac{28}{45}$
 - ☐ 4. $\frac{20}{27}$

Q.23 Ramendra purchased some watermelons for ₹1,500. He sold one-fourth of them at a loss of 12%. At what gain percentage should the remaining watermelons be sold so as to gain 25% on the whole transaction (correct to two decimal places)?

- Ans**
- ☒ 1. 37.33%
 - ☐ 2. 37.65%
 - ☐ 3. 33.43%
 - ☐ 4. 33.73%

Q.24 The sum of two-digit number and the number obtained by interchanging the digit is 77. If the difference of digits is 1, then the number is:

- Ans**
- ☐ 1. 45
 - ☒ 2. 34
 - ☐ 3. 12
 - ☐ 4. 67

Q.25 The average age of 24 workers and their supervisor is 41 years. If the supervisor's age is excluded, the average reduces by 0.75 years. The age of the supervisor is:

- Ans**
- ☒ 1. 59 years
 - ☐ 2. 41 years 9 months
 - ☐ 3. 49 years
 - ☐ 4. 40 years 9 months

Section : **General Awareness**

Q.1 The music of traditional _____ consists of thumri and other lyrical song forms.

- Ans**
- ☐ 1. Sattriya
 - ☐ 2. Kathakali
 - ☒ 3. Kathak
 - ☐ 4. Kuchipudi

Q.2 Which of the Mendel's laws states that a diploid organism passes a randomly selected allele for a trait to its offspring, such that the offspring inherit one allele from each parent?

- Ans**
- ☒ 1. Law of segregation
 - ☐ 2. Law of paired factor
 - ☐ 3. Law of dominance
 - ☐ 4. Law of independent assortment

Q.3 Which is the Standard Meridian of India?

- Ans**
- ☐ 1. 84°40' E
 - ☐ 2. 83°30' E
 - ☒ 3. 82°30' E
 - ☐ 4. 81°30' E

Q.4 Which of the following planets' atmosphere is made up of thick white and yellowish clouds of sulphuric acid?

- Ans**
- ☐ 1. Neptune
 - ☒ 2. Venus
 - ☐ 3. Jupiter
 - ☐ 4. Mars

Q.5 Ohira folk music is primarily associated with one of the popular festivals of which of the following states?

- Ans**
- ☐ 1. Kerala
 - ☐ 2. Assam
 - ☐ 3. Karnataka
 - ☒ 4. Jharkhand

Q.6 Due to the efforts of whom among the following social reformers was the first Hindu Widow Remarriage Act introduced and passed in 1856?

- Ans**
-  1. Raja Ram Mohan Roy
 -  2. Atmaram Pandurang
 -  3. Ishwar Chandra Vidyasagar
 -  4. Radhakant Deb

Q.7 Gandhi Jayanti marks the birthday of the father of the nation Mahatma Gandhi, who was born at _____.

- Ans**
-  1. Ahmedabad
 -  2. Vadodara
 -  3. Gandhinagar
 -  4. Porbandar

Q.8 Who is the author of the Indian national anthem?

- Ans**
-  1. Ishwar Chandra Vidyasagar
 -  2. Kazi Nazrul Islam
 -  3. Rabindranath Tagore
 -  4. Bankim Chandra Chattopadhyay

Q.9 The process of merging data from a data source into a main document in a word-processing application is called:

- Ans**
-  1. data accumulation
 -  2. data integration
 -  3. data concatenation
 -  4. mail merge

Q.10 Who among the following was the first Sultan of Delhi to style himself as ‘Zil-i-Ilahi’?.

- Ans**
-  1. Iltutmish
 -  2. Balban
 -  3. Qutbuddin Aibak
 -  4. Feroz Shah

Q.11 Which of the following is a public sector owned and operated entity?

- Ans**
-  1. BHEL
 -  2. Bajaj Auto Ltd
 -  3. Tata Steel Ltd
 -  4. Oil India Ltd.

Q.12 There is a cable manufacturing facility at HCL in Rupnarainpur. It is belong to which state?

- Ans**
-  1. Assam
 -  2. Haryana
 -  3. Andhra Pradesh
 -  4. West Bengal

Q.13 Which MS Excel function can be used to sum up the numbers entered in a group of cells?

- Ans**
-  1. SUM
 -  2. AVERAGE
 -  3. COUNT
 -  4. MAX

Q.14 Who is Chairman of the Union Public Service Commission as on 31 March 2024?

- Ans**
-  1. Mrs. Preeti Sudan
 -  2. Ms. Smita Nagaraj
 -  3. Shri Manoj Soni
 -  4. Shri BN Jha

Q.15 Who was the first Indian wrestler to win Gold at the World Championships in 2010?

- Ans**
-  1. Bajrang Punia
 -  2. Alka Tomar
 -  3. Geeta Phogat
 -  4. Sushil Kumar

Q.16 Give Plastic and Take Gold scheme was launched in the village of which State/UT in year 2023?

- Ans**
-  1. Jammu and Kashmir
 -  2. Assam
 -  3. Gujarat
 -  4. Lakshadweep

Q.17 Which of the following is NOT a feature of a monopoly?

- Ans**
-  1. No close substitutes
 -  2. One buyer and many sellers
 -  3. Full control over the price by the seller
 -  4. One seller and many buyers

Q.18 Who is the Union Minister of Civil Aviation in Government of India? (As of March, 2024).

- Ans**
-  1. Jyotiraditya M. Scindia
 -  2. Raj Kumar Singh
 -  3. Kiren Rijiju
 -  4. G Kishan Reddy

Q.19 According to Census of India 2011, which district in India has the lowest literacy rate in India?

- Ans**
-  1. Aizwal
 -  2. Rampur
 -  3. Alirajpur
 -  4. Madhubani

Q.20 Marathi language is in the _____ language family.

- Ans**
-  1. Indo Aryan
 -  2. Sino-India
 -  3. Austro
 -  4. Austric

Q.21 Which directive principle has been implemented in establishing Handloom and Handicrafts Boards?

- Ans**
-  1. Protection and improvement of environment
 -  2. Promote cottage industries on cooperative basis
 -  3. Provision for just and humane condition of work
 -  4. Participation of workers in management of Industries

Q.22 In 2026, which country will host Asian Games?

- Ans**
-  1. Nepal
 -  2. China
 -  3. Japan
 -  4. India

Q.23 In 1960, which isotope was used to define the standard measure of length?

- Ans**
- ☐ 1. Krypton-88
 - ☐ 2. Krypton-90
 - ☒ 3. Krypton-86
 - ☐ 4. Krypton-83

Q.24 The Constitution of India was adopted on _____.

- Ans**
- ☒ 1. 26 November 1949
 - ☐ 2. 24 November 1947
 - ☐ 3. 26 January 1949
 - ☐ 4. 26 January 1950

Q.25 The Tokyo Paralympics 2020 gold medal winner Krishna Nagar is associated with _____.

- Ans**
- ☐ 1. table tennis
 - ☐ 2. shooting
 - ☒ 3. badminton
 - ☐ 4. wrestling

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	08/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I VH

Section : English Language

Q.1 Select the most appropriate adverb to fill in the blank.
He comes here _____ .

- Ans**
- ☒ 1. lately
 - ☒ 2. daily
 - ☒ 3. formerly
 - ☒ 4. quickly

Q.2 Parts of the following sentence have been given as options. Select the option that contains an error.
During winters, most of the trains are not running on time in North India.

- Ans**
- ☒ 1. are not running
 - ☒ 2. on time in North India.
 - ☒ 3. During winters,
 - ☒ 4. most of the trains

Q.3 Parts of the following sentence have been given as options. Select the option that contains an error.

That day we reached late for the competition and even though the competition went on smooth, I felt bad about Shivani losing it.

- Ans**
- ☒ 1. we reached late
 - ☒ 2. I felt bad
 - ☒ 3. losing it
 - ☒ 4. the competition went on smooth

Q.4 The sentence below contains errors. Select the option with the correct use of tenses.
I will revised my course at least three times before my final examination.

- Ans**
- ☒ 1. I will have revised my course at least three times before my final examination.
 - ☒ 2. I must revised my course at least three times before my final examination.
 - ☒ 3. I would revised my course at least three times before my final examination.
 - ☒ 4. I will be revised my course at least three times since my final examination.

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved. Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 5

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

- Ans**
- ☒ 1. complex
 - ☒ 2. easy
 - ☒ 3. fine
 - ☒ 4. systematic

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved. Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 6

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

- Ans**
- ☒ 1. diversity
 - ☐ 2. difficulty
 - ☐ 3. uniformity
 - ☐ 4. worry

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved. Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 7

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

- Ans**
- ☐ 1. easily
 - ☒ 2. especially
 - ☐ 3. only
 - ☐ 4. tactfully

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved. Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 8

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

- Ans**
- ☐ 1. focusing
 - ☐ 2. rejecting
 - ☒ 3. accepting
 - ☐ 4. polishing

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved. Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 9

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

- Ans
- ☐ 1. strange
 - ☐ 2. unequal
 - ☒ 3. familiar
 - ☐ 4. unusual

Q.10 Select the INCORRECTLY spelt word.

- Ans
- ☐ 1. Timorous
 - ☐ 2. Unintended
 - ☒ 3. Aproprate
 - ☐ 4. Amalgamate

Q.11 Select the most appropriate ANTONYM of the underlined word.
It's very cheap to display wealth by donning gaudy dresses.

- Ans
- ☐ 1. Scanty
 - ☒ 2. Sober
 - ☐ 3. Cheap
 - ☐ 4. Ornate

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'.
They appointed him as the manager, as he was due for an promotion.

- Ans
- ☐ 1. No substitution required
 - ☐ 2. next
 - ☒ 3. a
 - ☐ 4. it's

Q.13 Select the most appropriate option to fill in the blank.

He hasn't _____ any attention to my miserable state.

- Ans
- ☐ 1. gave
 - ☐ 2. had
 - ☐ 3. made
 - ☒ 4. paid

Q.14 Select the most appropriate ANTONYM of the underlined word in the given sentence.
His grandfather was quite grumpy .

- Ans
- ☐ 1. Tenable
 - ☐ 2. Possible
 - ☒ 3. Amiable
 - ☐ 4. Edible

Q.15 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The humble pupil sat on the floor with respect.

- Ans
- ☒ 1. Proud
 - ☐ 2. Capitalist
 - ☐ 3. Corrupt
 - ☐ 4. Sturdy

Q.16 Select the most appropriate meaning of the given idiom.
Sell like hot cakes

- Ans**
- ☒ 1. Become very famous
 - ☒ 2. Selling out quickly
 - ☒ 3. Extremely hot and humid
 - ☒ 4. Not bothering about money

Q.17 Select the most appropriate **ANTONYM** of the given word.
Despondency

- Ans**
- ☒ 1. Satisfaction
 - ☒ 2. Dejection
 - ☒ 3. Cheerfulness
 - ☒ 4. Hopelessness

Q.18 Select the most appropriate synonym of the underlined word in the given sentence.

He is just jealous that he didn't get picked for the job.

- Ans**
- ☒ 1. spiteful
 - ☒ 2. envious
 - ☒ 3. greedy
 - ☒ 4. suspicious

Q.19 Select the most appropriate **ANTONYM** of the given word.
MOROSE

- Ans**
- ☒ 1. Dramatic
 - ☒ 2. Practical
 - ☒ 3. Hurried
 - ☒ 4. Jovial

Q.20 Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank.
The setting sun turned the _____(calm) ocean into a sea of gold.

- Ans**
- ☒ 1. volatile
 - ☒ 2. placid
 - ☒ 3. furtive
 - ☒ 4. scattered

Q.21 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 developing a remarkable resistance to cold and altitude.

- Ans**
- ☒ 1. has been developing
 - ☒ 2. No substitution required
 - ☒ 3. developed
 - ☒ 4. has develop

Q.22 Which of the following idioms means 'going to sleep'?

- Ans**
- ☒ 1. Hit the sack
 - ☒ 2. Break new grounds
 - ☒ 3. Keep an ear to the ground
 - ☒ 4. Run around in circles

Q.23 Choose an appropriate word that can substitute the bracketed word and complete the sentence meaningfully.
What is the time (in) your watch?

- Ans**
- ☒ 1. by
 - ☒ 2. with
 - ☒ 3. on
 - ☒ 4. into

Q.24 Select the INCORRECTLY spelt word.

- Ans
- ☐ 1. Apparent
 - ☐ 2. Creator
 - ☐ 3. Skewed
 - ☒ 4. Agressive

Q.25 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
Are today / a working day / or a / holiday?

- Ans
- ☒ 1. Are today
 - ☐ 2. holiday
 - ☐ 3. or a
 - ☐ 4. a working day

Section : **General Intelligence**

Q.1 What should come in place of ? in the given series?

281 392 503 614 725 ?

- Ans
- ☐ 1. 856
 - ☐ 2. 846
 - ☒ 3. 836
 - ☐ 4. 866

Q.2 In a certain code language, 'stop the presses' is coded as 'hj ds xv' and 'why stop now' is coded as 'hb cf ds'. How is 'stop' coded in that language?

- Ans
- ☒ 1. ds
 - ☐ 2. xv
 - ☐ 3. cf
 - ☐ 4. hj

Q.3 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

$55 \times 84 - 12 + 9 \div 26 = ?$

- Ans
- ☐ 1. 95
 - ☒ 2. 92
 - ☐ 3. 96
 - ☐ 4. 90

Q.4 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 roses are flowers.

All buds are roses.

All lilies are flowers.

Conclusion (I): Some buds are lilies.

Conclusion (II): All flowers are buds.

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

Q.5 Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ 1. WSP
 - ☐ 2. VRN
 - ☐ 3. SOK
 - ☐ 4. KGC

Q.6 KLOQ is related to NORT in a certain way based on the English alphabetical order. In the same way, HILN is related to KLOQ. To which of the following is PQTV related, following the same logic?

- Ans**
- ☐ 1. SUVY
 - ☐ 2. STUY
 - ☒ 3. STWY
 - ☐ 4. SWTY

Q.7 In a certain code language, 'FORK' is coded as '6851' and 'FROG' is coded as '5981'. How is 'K' coded in the given language?

- Ans**
- ☐ 1. 1
 - ☐ 2. 9
 - ☒ 3. 6
 - ☐ 4. 5

Q.8 In a certain code language,
M & N means 'M is the son of N',
M @ N means 'M is the brother of N',
M \$ N means 'M is the father of N',
M # N means 'M is the mother of N'.
Based on this, how is E related to A, if 'A # B \$ C @ D & E'?

- Ans**
- ☐ 1. Son
 - ☐ 2. Daughter
 - ☐ 3. Daughter's husband
 - ☒ 4. Son's wife

Q.9 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
XVS, AYV, DBY, GEB, ?

- Ans**
- ☐ 1. JEH
 - ☒ 2. JHE
 - ☐ 3. EJH
 - ☐ 4. EHJ

Q.10 What should come in place of the question mark (?) in the given series?
77, 144, 278, 546, ?

- Ans**
- ☐ 1. 1208
 - ☒ 2. 1082
 - ☐ 3. 1028
 - ☐ 4. 1802

Q.11 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 338?

- Ans**
- ☐ 1. 32 A 11 D 80 B 4 C 6
 - ☒ 2. 32 B 11 D 80 A 4 C 6
 - ☐ 3. 32 D 11 B 80 A 4 C 6
 - ☐ 4. 32 C 11 D 80 A 4 B 6

Q.12 After 36 days it will be a Sunday. What day is it today?

- Ans
- ☐ 1. Monday
 - ☐ 2. Sunday
 - ☐ 3. Friday
 - ☒ 4. Saturday

Q.13 The position of how many letters will remain unchanged if all the letters in the word QUALITY are arranged in alphabetical order?

- Ans
- ☒ 1. One
 - ☐ 2. Two
 - ☐ 3. Three
 - ☐ 4. Four

Q.14 Which of the following numbers will replace the question mark (?) in the given series?

106, 106, 108, 36, 40, 8 ?

- Ans
- ☐ 1. 22
 - ☐ 2. 28
 - ☒ 3. 14
 - ☐ 4. 10

Q.15 Which of the following numbers will replace the question mark (?) in the given series?

45 225 203 812 790 2370 ?

- Ans
- ☒ 1. 2348
 - ☐ 2. 2325
 - ☐ 3. 2312
 - ☐ 4. 2390

Q.16 What should come in place of ? in the given series?

742 739 736 733 730 ?

- Ans
- ☐ 1. 728
 - ☐ 2. 729
 - ☒ 3. 727
 - ☐ 4. 726

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. MNOL
 - ☐ 2. FUHS
 - ☒ 3. YCAZ
 - ☐ 4. AZCX

Q.18 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then the resultant of which of the following will be 1888?

- Ans
- ☐ 1. 402 B 5 D 640 C 4 A 38
 - ☐ 2. 402 B 5 A 640 D 4 C 38
 - ☐ 3. 402 D 5 B 640 A 4 C 38
 - ☒ 4. 402 B 5 D 640 A 4 C 38

Q.19 27 is related to 3 following a certain logic. Following the same logic, 343 is related to 7. To which of the following is 1331 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. 11
 - ☐ 2. 13
 - ☐ 3. 9
 - ☐ 4. 17

Q.20 Each of the letters in the word ELASTICITY are arranged in alphabetical order. Which letter will be at the sixth position from the left?

- Ans**
- ☐ 1. I
 - ☒ 2. L
 - ☐ 3. S
 - ☐ 4. A

Q.21 This question consists of a pair of words which have a certain relationship to each other. Select the pair which does NOT have the same relationship.

Demolish : Repair
1) Condemn : Approve
2) Consequence : Outcome
3) Bind : Release
4) Adamant : Flexible

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

Q.22 Which of the following letter-clusters can replace the question mark (?) in the given series to make it logically complete?
IPX, ? , OTZ, RVA, UXB

- Ans**
- ☒ 1. LRY
 - ☐ 2. YHR
 - ☐ 3. COP
 - ☐ 4. LOM

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

(59, 246, 23)
(68, 300, 32)

(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. (31, 169, 53)
 - ☒ 2. (42, 213, 29)
 - ☐ 3. (47, 248, 15)
 - ☐ 4. (32, 188, 71)

Q.24 If 11 November 2009 was Wednesday, then what was the day of the week on 17 November 2013?

- Ans**
- ☐ 1. Saturday
 - ☐ 2. Friday
 - ☐ 3. Thursday
 - ☒ 4. Sunday

Q.25 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?

$$91 \text{ B } 2 \text{ D } 22 \text{ A } 11 \text{ C } 8 = ?$$

- Ans**
- ☐ 1. 168
 - ☐ 2. 148
 - ☒ 3. 188
 - ☐ 4. 128

Section : **Quantitative Aptitude**

Q.1 Rohan takes 10 hours to mow a large lawn. He and Mohan together can mow it in 4 hours. How long will Mohan take to mow the lawn if he works alone?

- Ans**
- ☐ 1. $\frac{40}{3}$ hours
 - ☐ 2. $\frac{10}{3}$ hours
 - ☒ 3. $\frac{20}{3}$ hours
 - ☐ 4. $\frac{16}{3}$ hours

Q.2 When the integer n is divided by 5, the remainder is 3. What is the remainder if 6n is divided by 5?

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

Q.3 A two-digit number is 12 more than five times the sum of its digits. The number formed by reversing the digits is 9 less than the original number. The number is:

- Ans**
- ☒ 1. 87
 - ☐ 2. 69
 - ☐ 3. 96
 - ☐ 4. 78

Q.4 Two circles have radii of 27 cm and 36 cm. The distance between their centres is 45 cm. What is the length (in cm) of their common chord?

- Ans**
- ☒ 1. 43.2 cm
 - ☐ 2. 37.2 cm
 - ☐ 3. 40.5 cm
 - ☐ 4. 47.5 cm

Q.5 The ratio of the speeds of a boat while going upstream and going downstream is 2 : 3 and the sum of these two speeds is 15 km/h. What is the speed of the stream?

- Ans**
- ☐ 1. 2.5 km/h
 - ☒ 2. 1.5 km/h
 - ☐ 3. 3 km/h
 - ☐ 4. 3.5 km/h

Q.6 What will be the amount due on ₹12,000 in 2 years when the rate of simple interest on successive years is 9% and 10%, respectively?

- Ans**
- ☐ 1. ₹14,250
 - ☐ 2. ₹14,150
 - ☒ 3. ₹14,280
 - ☐ 4. ₹14,350

Q.7 The profit obtained by selling an article for ₹86 is twice the loss obtained by selling the same article for ₹53. Find the cost price.

- Ans
- ☐ 1. ₹33
 - ☐ 2. ₹75
 - ☒ 3. ₹64
 - ☐ 4. ₹22

Q.8 X and Y are two points on the circumference of a circle having diameter 20 cm. The length of the line segment XY is 16 cm. Find the distance (in cm) of the line segment XY from the centre of the circle.

- Ans
- ☐ 1. 4
 - ☒ 2. 6
 - ☐ 3. 5
 - ☐ 4. 3

Q.9 A metallic solid cuboid of dimensions 36 cm × 22 cm × 12 cm is melted and recast in the form of cubes of side 6 cm. Find the number of the cubes so formed.

- Ans
- ☒ 1. 44
 - ☐ 2. 46
 - ☐ 3. 43
 - ☐ 4. 45

Q.10 ABC is a right-angled triangle, right angled at A in such a way that AB = AC and the bisector of angle B intersects the side AC at D. DM is perpendicular to BC, intersecting BC at M. If AB = 12 cm and BC = $12\sqrt{2}$ cm, then find the length of side AD.

- Ans
- ☐ 1. $12(\sqrt{2} - 2)$ cm
 - ☐ 2. $12(\sqrt{2} + 1)$ cm
 - ☒ 3. $12(\sqrt{2} - 1)$ cm
 - ☐ 4. $12(\sqrt{2} + 2)$ cm

Q.11 What is the value of the following expression?

$$4 \div 20 \text{ of } 5 \times 9 - 54 \times 5 \div 18 - 5 + 10 - 3 \div 9 \text{ of } 3 \times 9$$

- Ans
- ☒ 1. $-\frac{266}{25}$
 - ☐ 2. $-\frac{179}{39}$
 - ☐ 3. $-\frac{411}{49}$
 - ☐ 4. $-\frac{156}{25}$

Q.12 Suresh studies the pattern of daily sale of a shop. He finds that on Monday, the sale was decreased by 10% in comparison to the sale on Sunday. On Tuesday, the sale was increased by 10% in comparison to the sale of Monday. If the sale on Tuesday was of ₹1,485, how much was the sale on Sunday?

- Ans
- ☐ 1. ₹1,495
 - ☒ 2. ₹1,500
 - ☐ 3. ₹1,485
 - ☐ 4. ₹1,475

Q.13 The salary of Vipul is first increased by 7% and then it is decreased by 7%. What is the change in his salary?

- Ans
- ☐ 1. Decrease of 0.51%
 - ☐ 2. Increase of 0.51%
 - ☐ 3. Increase of 0.49%
 - ☒ 4. Decrease of 0.49%

Q.14 A's income is equal to 125% of the income of B, while B's savings are 120% of the savings of A. If the expenditure of B is 75% of the expenditure of A, then how much are B's savings as a percentage of her expenditure?

- Ans
- ☐ 1. $22\frac{1}{2}\%$
 - ☐ 2. $16\frac{2}{3}\%$
 - ☐ 3. $18\frac{3}{4}\%$
 - ☒ 4. 20%

Q.15 If $\tan(t) = \frac{3}{7}$, t is an acute angle, then what is the value of $\operatorname{cosec}(t)$?

- Ans
- ☒ 1. $\frac{\sqrt{58}}{3}$
 - ☐ 2. $\frac{\sqrt{58}}{7}$
 - ☐ 3. $\frac{\sqrt{53}}{7}$
 - ☐ 4. $\frac{\sqrt{53}}{3}$

Q.16 Two numbers are in the ratio 2:3. Their sum is 135. Find the numbers.

- Ans
- ☒ 1. 54, 81
 - ☐ 2. 45, 90
 - ☐ 3. 60, 75
 - ☐ 4. 50, 85

Q.17 Two numbers are respectively 23% and 64% more than a third number. The first number is what percentage of the second number?

- Ans
- ☐ 1. 41%
 - ☐ 2. 43.5%
 - ☐ 3. 80%
 - ☒ 4. 75%

Q.18 The length of a common external tangent to two circles of an equal radius of 5 units is equal to the diameter of the circle. Which of the following can be the distance between the centres of the circles in units?

- Ans
- ☐ 1. 9
 - ☐ 2. 12
 - ☐ 3. 8
 - ☒ 4. 10

Q.19 The average of the first 10 natural numbers is _____.

- Ans
- ☐ 1. 5
 - ☐ 2. 6.5
 - ☐ 3. 6
 - ☒ 4. 5.5

Q.20 The perimeter of a square whose area is the same as the area of a semi-circle of radius $2\sqrt{2}$ cm is:

- Ans
- ☐ 1. $4\sqrt{\pi}$ cm
 - ☐ 2. $16\sqrt{\pi}$ cm
 - ☒ 3. $8\sqrt{\pi}$ cm
 - ☐ 4. $8\sqrt{2\pi}$ cm

Q.21 If the radius of a sphere is increased by 3.5 cm, its surface area increases by 550 cm^2 . What was the original radius of the sphere? (use $\pi = \frac{22}{7}$)

- Ans
- ☒ 1. 4.5 cm
 - ☐ 2. 3.5 cm
 - ☐ 3. 6 cm
 - ☐ 4. 4 cm

Q.22 Pranav gave 30% of the money he had to his wife, and 86% of the remaining to his two children. Half of the amount left was spent on other things, and the remaining amount of ₹98,000 was deposited in the bank. How much money did he have initially?

- Ans
- ☐ 1. ₹30,00,000
 - ☐ 2. ₹40,00,000
 - ☒ 3. ₹20,00,000
 - ☐ 4. ₹10,00,000

Q.23 To clear the old stock, Arshad offers a discount scheme to his customers - on buying 24 glass tumblers get 12 glass tumblers free. What is the effective percentage discount given by Arshad to his customers?

- Ans
- ☒ 1. $33\frac{1}{3}\%$
 - ☐ 2. $34\frac{2}{3}\%$
 - ☐ 3. $30\frac{1}{3}\%$
 - ☐ 4. $32\frac{2}{3}\%$

Q.24 Identify a single-digit number other than 1, which may exactly divide the number $17^3 + 18^3 - 16^3 - 15^3$.

- Ans
- ☐ 1. 7
 - ☐ 2. 5
 - ☐ 3. 3
 - ☒ 4. 2

- Q.25** In $\triangle ABC$, $BE \perp AC$, $CD \perp AB$ and BE and CD intersect each other at O . The bisectors of $\angle OBC$ and $\angle OCB$ meet at P . If $\angle BPC = 148^\circ$, then what is the measure of $\angle A$?
- Ans** ☒ 1. 64°
☐ 2. 16°
☐ 3. 32°
☐ 4. 48°

Section : **General Awareness**

Q.1 In the 11th century, under Maḥmūd of Ghazni, Ghaznī, a small town in _____, became the capital of the vast empire of the Ghaznavids.

- Ans** ☐ 1. Egypt
☐ 2. Persia
☒ 3. Afghanistan
☐ 4. Turkey

Q.2 Which of the following statements is/are true with respect to MRTP Act?

- i) The Monopolies and Restrictive Trade Practices Act (MRTP Act) was repealed and replaced by the Competition Act, 2002.
ii) The asset limit for MRTP companies was fixed at Rs. 25 crores by the first/original Monopolies and Restrictive Trade Practices Act (MRTP Act).
iii) The Monopolies and Restrictive Trade Practices Act (MRTP Act) was first passed in 1969.

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

Q.3 India is home to the second oldest cricket club in the world. Where is it situated?

- Ans** ☒ 1. Kolkata
☐ 2. Chennai
☐ 3. Mumbai
☐ 4. Hyderabad

Q.4 Which cost is considered for calculating the national income in India?

- Ans** ☐ 1. Sunk cost
☒ 2. Factor cost
☐ 3. Market cost
☐ 4. Product cost

Q.5 Which state secured over all third position in the medals tally at the 36th National Games (2022) of India?

- Ans** ☐ 1. Delhi
☒ 2. Haryana
☐ 3. Maharashtra
☐ 4. Kerala

Q.6 Western disturbances are responsible for:

- Ans** ☐ 1. extremely chilled weather of north-east India
☐ 2. hot winds during summers in northern India
☒ 3. rainfall during winters in north-western part of India
☐ 4. dusty storms in eastern coastal area of India

Q.7 Which state organises the Lokrang Festival?

- Ans**
-  1. Uttar Pradesh
 -  2. Himachal Pradesh
 -  3. Madhya Pradesh
 -  4. Arunachal Pradesh

Q.8 Recently, a bill on Uniform Civil Code (UCC) was introduced. Consider the following statements about UCC and identify the correct statement(s) from them.

1. The Uniform Civil Code in India Bill, 2020, was introduced in the Lok Sabha as a private member bill.
2. UCC refers to the same set of civil laws applicable to all the citizens of India in all the personal matters.
3. The provision for UCC in the Constitution of India is mentioned under Article 44.

- Ans**
-  1. Only 2 and 3
 -  2. Only 3
 -  3. Only 1 and 3
 -  4. Only 1

Q.9 Why is the six membered cyclic structure of glucose called a pyranose structure?

- Ans**
-  1. Pyran is a cyclic organic compound, with one oxygen atom and five carbon atoms in the ring.
 -  2. Furan is a five membered non-cyclic compound, with one oxygen and four carbon atoms.
 -  3. Furan is a five membered cyclic compound, with one oxygen and four carbon atoms.
 -  4. Pyran is a non-cyclic organic compound, with one oxygen atom and five carbon atoms in the ring.

Q.10 The Government of India's Ministry of Culture organised a programme called Vitasta in January 2023. This programme exhibits rich culture, arts and crafts of which region?

- Ans**
-  1. Himachal
 -  2. Kashmir
 -  3. Punjab
 -  4. Ladakh

Q.11 Which of the following organisation's initiative is 'India Justice Report'?

- Ans**
-  1. Tata Trusts
 -  2. Infosys Foundation
 -  3. HCL Foundation
 -  4. Azim Premji Foundation

Q.12 Which type of electromagnetic radiation was discovered by Johann Wilhelm Ritter in 1801?

- Ans**
-  1. Gamma rays
 -  2. Ultraviolet rays
 -  3. X-rays
 -  4. Infrared rays

Q.13 In which year did the Indian football team go on its first known official international tour?

- Ans**
-  1. 1924
 -  2. 1950
 -  3. 1947
 -  4. 1914

Q.14 In which of the following regions of India is the Mundari language spoken?

- Ans**
-  1. Baghelkhand
 -  2. Thar desert
 -  3. Chota-Nagpur plateau
 -  4. Malwa plateau

Q.15 Who founded a reformist organisation called 'Brahmo Samaj' in Calcutta?

- Ans**
-  1. Jyotiba Phule
 -  2. Vinoba Bhave
 -  3. Raja Ram Mohan Roy
 -  4. Ishwar Chandra Vidyasagar

Q.16 When a new text document is created in MS-Office 2016, the default text size of the document is ____.

- Ans**
- ☐ 1. 12 points
 - ☐ 2. 14 points
 - ☒ 3. 11 points
 - ☐ 4. 10 points

Q.17 Which set of Articles in the Constitution of India are known as 'Cultural and Educational Rights'?

- Ans**
- ☐ 1. Articles 23-24
 - ☐ 2. Articles 19-20
 - ☒ 3. Articles 29-30
 - ☐ 4. Articles 14-15

Q.18 Indian Railway was introduced in the year _____.

- Ans**
- ☐ 1. 1852
 - ☒ 2. 1853
 - ☐ 3. 1851
 - ☐ 4. 1850

Q.19 _____ is a musical composition that expresses devotion through madhura bhakti.

- Ans**
- ☒ 1. Padam
 - ☐ 2. Gita
 - ☐ 3. Kriti
 - ☐ 4. Tillana

Q.20 Pandit Birju Maharaj was related to:

- Ans**
- ☐ 1. Tapu
 - ☐ 2. Odissi
 - ☒ 3. Kathak
 - ☐ 4. Ozele

Q.21 According to the National Multidimensional poverty index 2021, which of the following states has the lowest percentage of population being multidimensional poor?

- Ans**
- ☐ 1. Maharashtra
 - ☒ 2. Sikkim
 - ☐ 3. Bihar
 - ☐ 4. Punjab

Q.22 Which of the following is an input device?

- Ans**
- ☒ 1. Keyboard
 - ☐ 2. Printer
 - ☐ 3. Speaker
 - ☐ 4. Monitor

Q.23 A school teacher asks students to stand up every time national anthem is sung. Which Article enshrines this fundamental duty?

- Ans**
- ☐ 1. Article 51 (c)
 - ☐ 2. Article 51 (b)
 - ☐ 3. Article 51 (d)
 - ☒ 4. Article 51A (a)

Q.24 'Pankhida' songs are sung by peasants of _____ while working on the fields.

- Ans**
- ☐ 1. Bihar
 - ☒ 2. Rajasthan
 - ☐ 3. Odisha
 - ☐ 4. Uttar Pradesh

Q.25 Which of the following types of crops are sown at the beginning of the monsoon season?

Ans

-  1. Zaid crops
-  2. Kharif crops
-  3. Vital crops
-  4. Rabi crops

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	08/07/2024
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 an error.
In this cold weather, / there's nothing / like good / cup of coffee.

- Ans**
- ☒ 1. like good
 - ☐ 2. there's nothing
 - ☐ 3. cup of coffee
 - ☐ 4. In this cold weather

Q.2 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.
The general's address / was applauds / by all sections / of society.

- Ans**
- ☐ 1. by all sections
 - ☐ 2. the general's address
 - ☒ 3. was applauds
 - ☐ 4. of society.

Q.3 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.
A part / of an / apple is / rotten.

- Ans**
- ☐ 1. A part
 - ☐ 2. apple is
 - ☒ 3. of an
 - ☐ 4. rotten.

Q.4 Parts of the following sentence have been given as options. Select the option that contains an error.
There's an quiet street down the left that you can use for your dance practice.

- Ans**
- ☐ 1. that you can use
 - ☐ 2. for your dance practice
 - ☒ 3. There's an quiet street
 - ☐ 4. down the left

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.

Trees provide so many benefits (1)_____ our everyday lives. They filter clean air, provide fresh drinking water, help (2)_____ climate change and create homes for thousands of species of plants and animals. (3)_____ a billion trees can help save the Earth from climate change and biodiversity loss. When we restore and (4)_____ critical forests, we remove carbon and support biodiversity. A billion is a big number, but we know we can do it together. (5)_____ the planet by planting your tree today. This can protect and restore forests for future.

SubQuestion No : 5

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

- Ans**
- ☐ 1. to
 - ☐ 2. for
 - ☐ 3. with
 - ☒ 4. in

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.

Trees provide so many benefits (1)_____ our everyday lives. They filter clean air, provide fresh drinking water, help (2)_____ climate change and create homes for thousands of species of plants and animals. (3)_____ a billion trees can help save the Earth from climate change and biodiversity loss. When we restore and (4)_____ critical forests, we remove carbon and support biodiversity. A billion is a big number, but we know we can do it together. (5)_____ the planet by planting your tree today. This can protect and restore forests for future.

SubQuestion No : 6

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

- Ans**
- ☒ 1. cut
 - ☒ 2. crust
 - ☒ 3. crib
 - ☒ 4. curb

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.

Trees provide so many benefits (1)_____ our everyday lives. They filter clean air, provide fresh drinking water, help (2)_____ climate change and create homes for thousands of species of plants and animals. (3)_____ a billion trees can help save the Earth from climate change and biodiversity loss. When we restore and (4)_____ critical forests, we remove carbon and support biodiversity. A billion is a big number, but we know we can do it together. (5)_____ the planet by planting your tree today. This can protect and restore forests for future.

SubQuestion No : 7

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

- Ans**
- ☒ 1. In planting
 - ☒ 2. Planting
 - ☒ 3. By planting
 - ☒ 4. With planting

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.

Trees provide so many benefits (1)_____ our everyday lives. They filter clean air, provide fresh drinking water, help (2)_____ climate change and create homes for thousands of species of plants and animals. (3)_____ a billion trees can help save the Earth from climate change and biodiversity loss. When we restore and (4)_____ critical forests, we remove carbon and support biodiversity. A billion is a big number, but we know we can do it together. (5)_____ the planet by planting your tree today. This can protect and restore forests for future.

SubQuestion No : 8

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

- Ans**
- ☒ 1. sabotage
 - ☒ 2. observe
 - ☒ 3. curtail
 - ☒ 4. conserve

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.

Trees provide so many benefits (1)_____ our everyday lives. They filter clean air, provide fresh drinking water, help (2)_____ climate change and create homes for thousands of species of plants and animals. (3)_____ a billion trees can help save the Earth from climate change and biodiversity loss. When we restore and (4)_____ critical forests, we remove carbon and support biodiversity. A billion is a big number, but we know we can do it together. (5)_____ the planet by planting your tree today. This can protect and restore forests for future.

SubQuestion No : 9

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

- Ans**
- ☒ 1. Denigrate
 - ☒ 2. Complement
 - ☒ 3. Sustain
 - ☒ 4. Supplement

Q.10 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'.
The inspector smile after he was finished and patted Margie's head.

Ans ☒ 1. smiled
☐ 2. No substitution required
☐ 3. has smiled
☐ 4. was smiled

Q.11 Select the most appropriate option to substitute the underlined segment in the following sentence.
Rohit is write to them three times.

Ans ☐ 1. Rohit had write
☒ 2. Rohit has written
☐ 3. Rohit was beings written
☐ 4. Rohit was write

Q.12 Select the most appropriate option to fill in the blank.
The company's _____ commitment to sustainability is admirable.

Ans ☐ 1. wavering
☒ 2. strong
☐ 3. shakeable
☐ 4. resolute

Q.13 Select the most appropriate option to fill in the blank.
The perfume she uses has a strong _____.

Ans ☐ 1. send
☒ 2. scent
☐ 3. sent
☐ 4. cent

Q.14 Select the most appropriate meaning of the given idiom.
Where the shoe pinches

Ans ☐ 1. Unknown paths
☒ 2. Where the difficulty lies
☐ 3. Difficult roads
☐ 4. Where the shoe hurts

Q.15 Identify the INCORRECTLY spelt word in the following sentence and select the option with the correct spelling.
Stomach sleepers were rated as being more gregairious and uncomfortable with criticism.

Ans ☒ 1. gregarious
☐ 2. criticicm
☐ 3. stomach
☐ 4. ratedd

Q.16 Select the most appropriate option that can substitute the underlined segment in the given sentence.
He has grown into a beautiful youth.

Ans ☒ 1. into a handsome youth
☐ 2. in a beautiful youth
☐ 3. in a handsome youth
☐ 4. a beautiful youth

Q.17 Select the most appropriate option to fill in the blank.
Rosy and Nicky couldn't provide any evidence to support _____ arguments.

Ans ☐ 1. they're
☐ 2. there
☐ 3. theirs
☒ 4. their

Q.18 Select the most appropriate idiom to fill in the blank.
Mala _____ by cheating on the exam to win her bet with Priya.

- Ans**
- ☒ 1. fell out
 - ☒ 2. look down upon
 - ☒ 3. hit below the belt
 - ☒ 4. get the sack

Q.19 Select the most appropriate option to substitute the underlined segment in the following sentence.
We are decorate the living-room at the moment.

- Ans**
- ☒ 1. We are being decorating
 - ☒ 2. We are decorating
 - ☒ 3. We are decorates
 - ☒ 4. We are being decorate

Q.20 The given sentence is divided into four segments. Identify the segment that contains a spelling error.
To submit a report / on the recent fire accident, / a high level commitee / has been formed.

- Ans**
- ☒ 1. has been formed
 - ☒ 2. on the recent fire accident
 - ☒ 3. To submit a report
 - ☒ 4. a high level commitee

Q.21 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The CEO called for compulsory participation from each employee.

- Ans**
- ☒ 1. Obligatory
 - ☒ 2. Compliantly
 - ☒ 3. Voluntary
 - ☒ 4. Overtly

Q.22 Select the most appropriate synonym of the given word.
Callous

- Ans**
- ☒ 1. Generous
 - ☒ 2. Cruel
 - ☒ 3. Exhausting
 - ☒ 4. Affectionate

Q.23 Select the most appropriate synonym of the given word.

Baffle

- Ans**
- ☒ 1. Explicate
 - ☒ 2. Barbarous
 - ☒ 3. Equalise
 - ☒ 4. Confuse

Q.24 Select the most appropriate synonym of the given word.
Venom

- Ans**
- ☒ 1. Honey
 - ☒ 2. Fruit juice
 - ☒ 3. Butter
 - ☒ 4. Poison

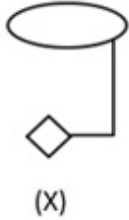
Q.25 Select the most appropriate ANTONYM of the given word.
Logical

- Ans**
- ☒ 1. Illogical
 - ☒ 2. Reasonable
 - ☒ 3. Subtle
 - ☒ 4. Random

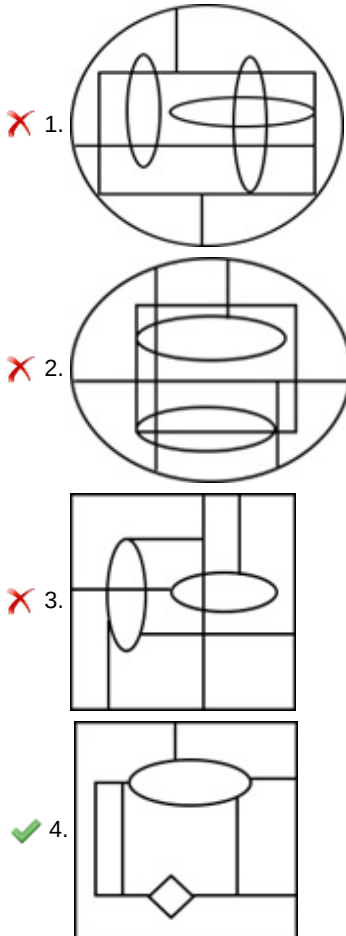
Q.1 While introducing Madhav, Jihaan said, "I am the only son of one the sons of his mother."
How is Madhav related to Jihaan?

- Ans
- ☒ 1. Maternal nephew or paternal nephew
 - ☒ 2. Cousin
 - ☒ 3. Son or brother
 - ☒ 4. Father or paternal uncle

Q.2 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



Ans



Q.3 13 is related to 39 following a certain logic. Following the same logic, 25 is related to 75. To which of the following is 42 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.)

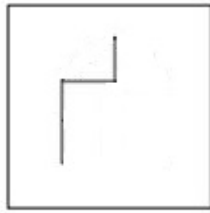
- Ans
- ☒ 1. 118
 - ☒ 2. 126
 - ☒ 3. 128
 - ☒ 4. 120

Q.4 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

ZY_WZTX_Z_XU_JXT

- Ans
- ☒ 1. YVOZ
 - ☒ 2. ZYOX
 - ☒ 3. XOVS
 - ☒ 4. XVOZ

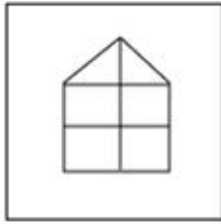
Q.5 Select the option in which the given figure X is embedded (i.e. contains figure X in the same form).



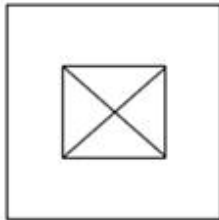
(X)

Ans

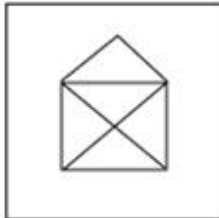
✓ 1.



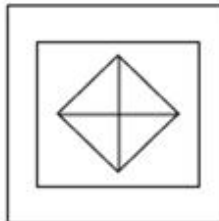
✗ 2.



✗ 3.



✗ 4.



Q.6 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?

$$45 \text{ B } 6 \text{ D } 78 \text{ A } 3 \text{ C } 15 = ?$$

Ans ✗ 1. 257

✗ 2. 256

✗ 3. 258

✓ 4. 259

Q.7 If 05 August 2005 is Friday, then what will be the day of the week on 17 April 2011?

Ans ✓ 1. Sunday

✗ 2. Saturday

✗ 3. Monday

✗ 4. Wednesday

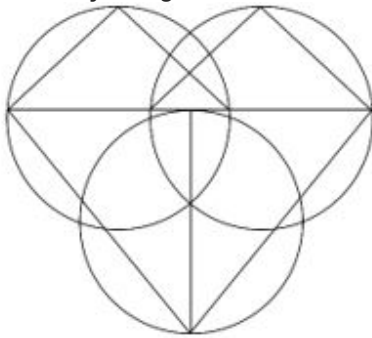
Q.8 In a certain code language, 'WYNK' is coded as '9243' and 'YAWN' is coded as '3941'. How is 'A' coded in the given language?

- Ans**
- ☐ 1. 9
 - ☐ 2. 3
 - ☐ 3. 2
 - ☒ 4. 1

Q.9 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.)
(75, 89, 103)
(98, 112, 126)

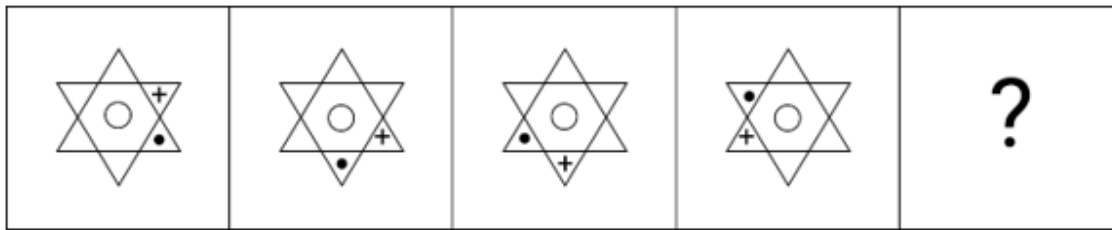
- Ans**
- ☐ 1. (95, 109, 118)
 - ☐ 2. (87, 101, 125)
 - ☐ 3. (72, 91, 105)
 - ☒ 4. (82, 96, 110)

Q.10 How many triangles are there in the given figure?



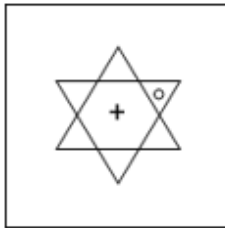
- Ans**
- ☒ 1. 6
 - ☐ 2. 8
 - ☐ 3. 7
 - ☐ 4. 5

Q.11 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?

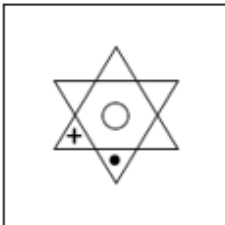


Ans

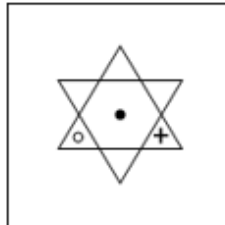
✗ 1.



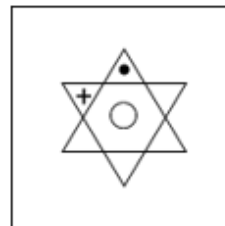
✗ 2.



✗ 3.



✓ 4.



Q.12 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans

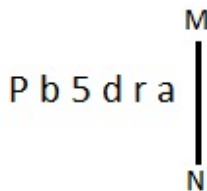
✗ 1. jRp34da

✓ 2. a b 4 3 p R j

✗ 3. jRp34da

✗ 4. jRp34da

Q.13 Select the correct mirror image of the given figure when the mirror is placed at MN.



- Ans
- ☐ 1. a 1 b 5 d 9
 - ☐ 2. e 1 p 5 q d
 - ☒ 3. 6 1 b 2 d 9
 - ☐ 4. 6 1 b 2 d d

Q.14 'A × B' means 'A is B's mother'.
'A ÷ B' means 'A is B's son'.
'A + B' means 'A is B's husband'.
'A – B' means 'A is B's sister'.

Using the same meaning of the mathematical operators as given above, in 'D + E × F – G' what is the relation of F with D?

- Ans
- ☐ 1. Sister's daughter
 - ☒ 2. Daughter
 - ☐ 3. Son
 - ☐ 4. Mother

Q.15 In a certain code language, 'power' is coded as '45978' and 'rain' is coded as '7312'. How is 'r' coded in that language?

- Ans
- ☐ 1. 1
 - ☐ 2. 5
 - ☐ 3. 3
 - ☒ 4. 7

Q.16 Which letter-cluster will replace the question mark (?) to complete the given series?
KLHO, LKIN, ?, QFNI, UBRE

- Ans
- ☐ 1. OIKM
 - ☐ 2. OJKL
 - ☒ 3. NIKL
 - ☐ 4. NJKM

Q.17 Each of the letters in the word TRAMPOLINE are arranged from left to right in alphabetical order to form a new word. How many letters are there in the English alphabetical series between the alphabet which is fourth from the left and the one which is first from the right in the newly formed word?

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

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

$$35 \times 16 + 3 \div 156 - 12 = ?$$

- Ans
- ☒ 1. 70
 - ☐ 2. 64
 - ☐ 3. 72
 - ☐ 4. 63

Q.19 'YPCLY' is related to 'RIVER' in a certain way based on the English alphabetical order. In the same way, 'ZWHJL' is related to 'SPACE'. To which of the following is 'TVJRALZA' related, following the same logic?

- Ans**
- ☐ 1. MOOKTEST
 - ☐ 2. MOXKTEST
 - ☒ 3. MOCKTEST
 - ☐ 4. MOCTTEST

Q.20 Which of the following numbers will replace the question mark (?) in the given series?
454 515 426 481 398 447 370 413 ?

- Ans**
- ☐ 1. 313
 - ☐ 2. 326
 - ☐ 3. 354
 - ☒ 4. 342

Q.21 What should come in place of the question mark (?) in the given series?
12, 16, 25, 41, 66, ?

- Ans**
- ☐ 1. 104
 - ☐ 2. 103
 - ☒ 3. 102
 - ☐ 4. 101

Q.22 TOWB is related to CVDU in a certain way based on the English alphabetical order. In the same way, VKFA is related to BRMW. To which of the following is CMZU related, following the same logic?

- Ans**
- ☐ 1. VTDG
 - ☐ 2. VGDT
 - ☐ 3. VGTD
 - ☒ 4. VTGD

Q.23 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 rivers are huts.

All streams are grass.

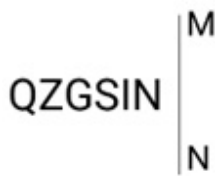
Some grass are rivers.

Conclusion (I): All grass are streams.

Conclusion (II): Some grass are huts.

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

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



- Ans
- ☐ 1.
 - ☐ 2.
 - ☐ 3.
 - ☒ 4.

Q.25 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$61 + 80 - 48 \times 3 \div 5 = ?$$

- Ans
- ☒ 1. 61
 - ☐ 2. 60
 - ☐ 3. 62
 - ☐ 4. 63

Section : **Quantitative Aptitude**

Q.1 8 apples and 10 oranges weigh 5 kg. 12 apples and 20 oranges weigh 9 kg. What is the weight (in kg, rounded off to the nearest integer) of 15 apples and 24 oranges?

- Ans
- ☒ 1. 11
 - ☐ 2. 16
 - ☐ 3. 10
 - ☐ 4. 13

Q.2 What is the value of the following expression?

$$420 \div \left[\frac{4}{9} \times \left(1 + \frac{4}{5} \right) \times 5 \right] + \left[\frac{5}{7} \text{ of } \frac{21}{25} \div \frac{3}{4} \text{ of } \frac{2}{5} \right]$$

- Ans
- ☐ 1. 127
 - ☐ 2. 139
 - ☒ 3. 107
 - ☐ 4. 89

Q.3 R can finish a work in 6 days if he works 10 hours a day. S can finish it in 5 days if he works 8 hours a day. If both start a work and work daily for 6 hours, the work will be finished in _____ days.

- Ans
- ☐ 1. 5
 - ☐ 2. 6
 - ☒ 3. 4
 - ☐ 4. 3

Q.4 Simplify

$$4\frac{1}{4} \times 4\frac{1}{4} - 2 \times 4\frac{1}{4} \times \frac{1}{4} + \frac{1}{4} \times \frac{1}{4}$$

- Ans
- ☐ 1. 4
 - ☐ 2. 32
 - ☐ 3. 64
 - ☒ 4. 16

Q.5 The speed of a boat in still water is 12 km/h, and the speed of the stream is 3 km/h. A man goes to a place by boat, 45 km and comes back to the starting point. Find the total time taken by him.

- Ans**
- ☐ 1. 9 hours
 - ☐ 2. 7 hours
 - ☒ 3. 8 hours
 - ☐ 4. 6 hours

Q.6 Find the altitude (in cm) of side MT of triangle MNT with side MN = 36 cm, MT = 36 cm and NT = 48 cm.

- Ans**
- ☐ 1. $12\sqrt{5}$
 - ☐ 2. $18\sqrt{3}$
 - ☐ 3. $24\sqrt{3}$
 - ☒ 4. $16\sqrt{5}$

Q.7 Find the mean proportional between 25 and 81.

- Ans**
- ☒ 1. 45
 - ☐ 2. 81
 - ☐ 3. 12
 - ☐ 4. 36

Q.8 The centres of two circles are 84 cm apart. If the radii of these two circles are 38 cm and 26 cm, respectively, then which of the following options gives the length (in cm) of a direct common tangent of these two circles?

- Ans**
- ☐ 1. $42\sqrt{3}$
 - ☐ 2. $36\sqrt{3}$
 - ☒ 3. $48\sqrt{3}$
 - ☐ 4. $54\sqrt{3}$

Q.9 A solid metallic cylinder of base radius 6 cm and height 10 cm is melted to form small cylinders, each of height 2.5 cm and base radius 2 cm. Find the number of small cylinders.

- Ans**
- ☐ 1. 80
 - ☐ 2. 32
 - ☐ 3. 360
 - ☒ 4. 36

Q.10 Ramesh's pocket money was reduced by 25%, and then the reduced pocket money was increased by 20%. Find the net increase or decrease percentage in his original pocket money.

- Ans**
- ☒ 1. Decrease 10%
 - ☐ 2. Increase 10%
 - ☐ 3. Increase 12%
 - ☐ 4. Decrease 12%

Q.11 A sum of money becomes five times its original value in 15 years when invested at a certain simple interest rate. If the sum was invested twice the time at the same rate of interest, what would be the final amount?

- Ans**
- ☐ 1. The money becomes 6 times its original value
 - ☐ 2. The money becomes 8 times its original value
 - ☒ 3. The money becomes 9 times its original value
 - ☐ 4. The money becomes 7 times its original value

Q.12 In a triangle ABC, P and Q are two points on AB and AC, respectively, such that PQ parallel to BC. If AC = 5QC, then the ratio PQ : BC is equal to:

- Ans
- ☒ 1. 4 : 5
 - ☐ 2. 4 : 3
 - ☐ 3. 5 : 4
 - ☐ 4. 3 : 4

Q.13 At an election involving two candidates, 68 votes are declared invalid. The winning candidate gets 52% of the valid votes and wins by 98 votes. The total number of votes polled is:

- Ans
- ☐ 1. 2500
 - ☒ 2. 2518
 - ☐ 3. 2475
 - ☐ 4. 2250

Q.14 In an election a candidate secured 47% of the votes and lost to his only opponent by 276 votes. Find the total number of votes polled.

- Ans
- ☐ 1. 4200
 - ☒ 2. 4600
 - ☐ 3. 3800
 - ☐ 4. 4000

Q.15 R and S can finish a work in 10 days, S and T can finish it in 12 days and T and R can finish in 8 days. In how many days will the work be finished if they all work simultaneously?

- Ans
- ☐ 1. $\frac{240}{31}$
 - ☒ 2. $\frac{240}{37}$
 - ☐ 3. $\frac{240}{39}$
 - ☐ 4. $\frac{240}{33}$

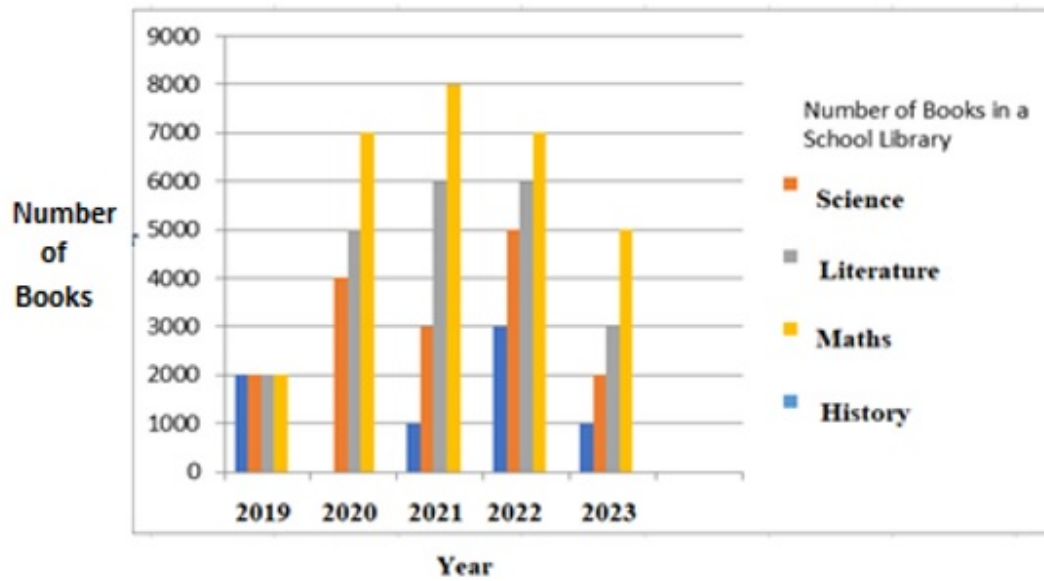
Q.16 The area of an isosceles right angled triangle is 16 m^2 . Its hypotenuse is _____.

- Ans
- ☐ 1. 8 cm
 - ☐ 2. 0.8 m
 - ☐ 3. 4 m
 - ☒ 4. 8 m

Q.17 Ramu mixes 2 litres of water at 100°C and 18 litres of water at 32°C . What temperature will the water have after mixing?

- Ans
- ☐ 1. 40°C
 - ☐ 2. 66°C
 - ☐ 3. 20°C
 - ☒ 4. 38.8°C

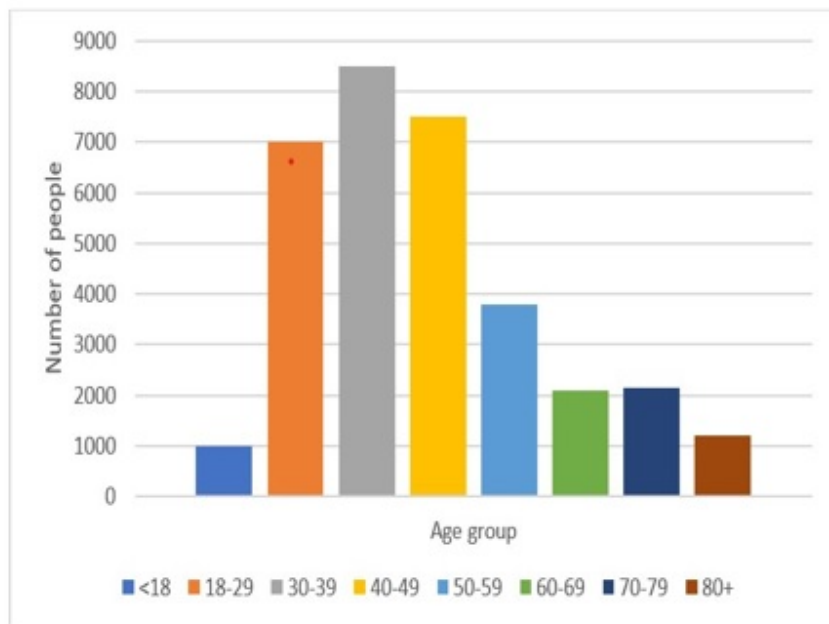
Q.18 Study the given graph carefully and answer the question that follows.



On the bases of this multiple bar graph, What is the change in the number of Literature books from the year 2020 to the year 2023.

- Ans
- ☒ 1. 2000 less
 - ☐ 2. 2000 more
 - ☐ 3. No change
 - ☐ 4. 1000 more

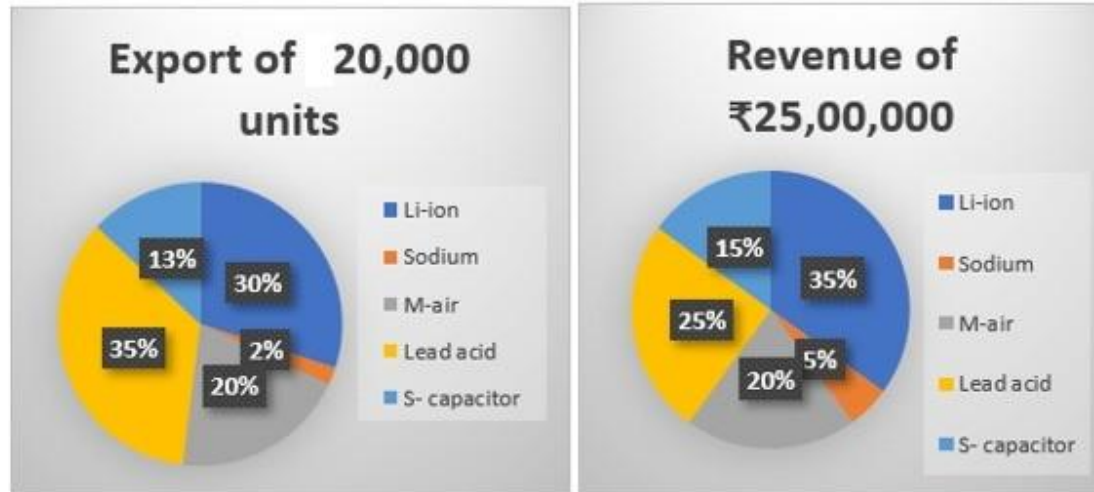
Q.19 Study the given bar-graph and answer the question that follows.



Which age group has the least number of people?

- Ans
- ☐ 1. 80+
 - ☒ 2. <18
 - ☐ 3. 50-59
 - ☐ 4. 30-39

- Q.20 A battery manufacturer manufactures five different types of batteries. The total revenue for the year 2020 is ₹25,00,000 and 20,000 units were exported in 2020. The distribution of revenue and units for the five different types of batteries is shown in the charts.



Which type of battery provides the lowest revenue per unit?

- Ans ☒ 1. Li-ion
☒ 2. Lead acid
☒ 3. Sodium
☒ 4. M-Air

- Q.21 Pradeep sells two fans at ₹480 each and by doing so he gains 20% on one fan and loses 20% on the other. His loss on the whole (in ₹) is:

- Ans ☒ 1. 20
☒ 2. 40
☒ 3. 30
☒ 4. 10

- Q.22 From a circular sheet of circumference 264 cm, two equal maximum-sized circular plates are cut off. What will be the circumference of each plate? (Use $\pi = \frac{22}{7}$)

- Ans ☒ 1. 176 cm
☒ 2. 264 cm
☒ 3. 132 cm
☒ 4. 135 cm

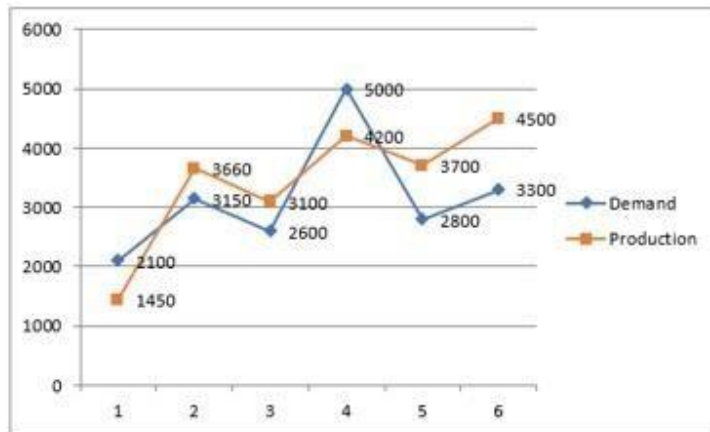
- Q.23 The marked price of a battery-operated rickshaw is ₹90,000. It is available for sale at two successive discounts of 10% and 5%. What is the selling price (in ₹) of the battery-operated rickshaw?

- Ans ☒ 1. 78,950
☒ 2. 75,850
☒ 3. 76,950
☒ 4. 77,850

Q.24 If $\sin \theta = \frac{11}{12}$, then what will be the value of $(\tan \theta + \sec \theta)$?

- Ans
- ☐ 1. 23
 - ☒ 2. $\sqrt{23}$
 - ☐ 3. $\frac{11}{\sqrt{23}}$
 - ☐ 4. $\frac{12}{\sqrt{23}}$

Q.25 Study the given graph carefully and answer the question that follows. The graph shows the demand and production of different companies.



Lowest production is what percentage of the highest demand?

- Ans
- ☐ 1. 71%
 - ☐ 2. 70%
 - ☒ 3. 29%
 - ☐ 4. 30%

Section : **General Awareness**

Q.1 What was the Child Sex Ratio in the country as per the Census of India 2011?

- Ans
- ☐ 1. 981
 - ☐ 2. 911
 - ☐ 3. 189
 - ☒ 4. 919

Q.2 Which of the following types of music is confined to the states of Karnataka, Andhra Pradesh, Tamil Nadu and Kerala?

- Ans
- ☐ 1. Classical
 - ☐ 2. Regional
 - ☐ 3. Hindustani
 - ☒ 4. Carnatic

Q.3 How can you access the Step by Step Mail Merge Wizard in Microsoft Word?

- Ans
- ☐ 1. Pressing F12
 - ☐ 2. Pressing Ctrl + M
 - ☐ 3. Clicking on the File menu
 - ☒ 4. Clicking on the Mailings tab

Q.4 Which of the following is a string instrument commonly featured in the folk music of Gujarat?

- Ans**
- ☐ 1. turi
 - ☐ 2. bungal
 - ☒ 3. jantar
 - ☐ 4. pava

Q.5 Which of the following is a medium-sized globular protein that acts as a pancreatic serine protease found in the digestive system of many vertebrates?

- Ans**
- ☒ 1. Trypsin
 - ☐ 2. Amylase
 - ☐ 3. Lipase
 - ☐ 4. Pepsin

Q.6 Citizens are NOT discriminated against on the basis of religion, caste or sex because of:

- Ans**
- ☐ 1. Right against Exploitation
 - ☐ 2. Right to Freedom of Religion
 - ☐ 3. Right to Freedom
 - ☒ 4. Right to Equality

Q.7 Since 1994, Winter Olympics traditionally take place _____ after the Summer Olympics.

- Ans**
- ☐ 1. 6 months
 - ☐ 2. 4 years
 - ☐ 3. 3 months
 - ☒ 4. 2 years

Q.8 Match the railway zones in column A with their headquarters in column B.

Column A
(Railway zones)

- 1. Central
- 2. Northern
- 3. Eastern
- 4. Southern

Column B
(Headquarters)

- a. New Delhi
- b. Mumbai CST
- c. Chennai
- d. Kolkata

- Ans**
- ☐ 1. 1-a, 2-b, 3-d, 4-c
 - ☐ 2. 1-b, 2-d, 3-a, 4-c
 - ☒ 3. 1-b, 2-a, 3-d, 4-c
 - ☐ 4. 1-b, 2-a, 3-c, 4-d

Q.9 The Supreme Court, in May 2023, observed that it can give divorce on the ground of irretrievable breakdown of marriage by exercising its discretionary power under _____.

- Ans**
- ☐ 1. Article 136 of the Constitution of India
 - ☐ 2. Article 143 of the Constitution of India
 - ☐ 3. Article 32 of the Constitution of India
 - ☒ 4. Article 142 of the Constitution of India

Q.10 Which is the nearest planet to the Sun?

- Ans**
- ☐ 1. Uranus
 - ☐ 2. Jupiter
 - ☒ 3. Mercury
 - ☐ 4. Saturn

Q.11 Which of the following statement/s about the Green Revolution is/are CORRECT?

- i. India became self-sufficient with the introduction of the Green Revolution.
- ii. The Green Revolution led to loss of nutrients in the soil from farming the same crop over and over again.
- iii. The Green Revolution led to depletion of fresh ground water.

Ans ☒ 1. i, ii and iii
☐ 2. Only ii
☐ 3. Only i and ii
☐ 4. Only i and iii

Q.12 In which year did Galileo describe the regular, swinging motion of a pendulum by the action of gravity and acquired momentum?

Ans ☐ 1. 1599
☐ 2. 1605
☐ 3. 1600
☒ 4. 1602

Q.13 The central stretch of the Western Coastal Plains of India is known as the:

Ans ☐ 1. Malabar coast
☐ 2. Coromandel coast
☐ 3. Konkan coast
☒ 4. Kannad plains

Q.14 Which military officer led the British forces in the Battle of Chinhat fought in 1857?

Ans ☒ 1. Henry Lawrence
☐ 2. Robert Maclagan
☐ 3. James George Smith
☐ 4. Charles Ellice

Q.15 In which year was the first Arjuna Award given to a woman hockey player?

Ans ☐ 1. 1963
☐ 2. 1962
☐ 3. 1964
☒ 4. 1961

Q.16 What is the use of Net National Product (NNP)?

Ans ☒ 1. To calculate per capita income
☐ 2. To calculate balance of payments
☐ 3. To calculate imports
☐ 4. To calculate exports

Q.17 In MS-Word, a document may be printed using _____.

Ans ☒ 1. Ctrl+P
☐ 2. Ctrl+V
☐ 3. Ctrl+C
☐ 4. Ctrl+X

Q.18 A housemaid gets her 12-year-old daughter to help in her work as a house cleaner at a residential colony instead of sending her to school.

Which fundamental duty is violated by the housemaid?

- Ans**
- ☐ 1. To defend the country and render national service
 - ☐ 2. To safeguard public property and to abjure violence
 - ☒ 3. To provide opportunities for education to his/her child
 - ☐ 4. To promote harmony and the spirit of common brotherhood

Q.19 As per Census of India 2011, in which of the following states was the total population less than 10 lakh?

- Ans**
- ☒ 1. Sikkim
 - ☐ 2. Tripura
 - ☐ 3. Goa
 - ☐ 4. Telangana

Q.20 Which of the following Articles was amended in the Constitution (Fifth Amendment Act), 1955?

- Ans**
- ☐ 1. Article 17
 - ☐ 2. Article 34
 - ☒ 3. Article 3
 - ☐ 4. Article 45

Q.21 Buddh International Circuit is located at:

- Ans**
- ☐ 1. Chennai
 - ☒ 2. Noida
 - ☐ 3. Delhi
 - ☐ 4. Mumbai

Q.22 The parliamentary standing committees have a tenure of _____ years.

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

Q.23 The Kutch festival is held at _____.

- Ans**
- ☐ 1. Surat
 - ☐ 2. Rajkot
 - ☒ 3. Bhuj
 - ☐ 4. Ahmedabad

Q.24 Name the Chola inscription that provided details of the way in which the sabha was organised in the local administration in the Chola empire.

- Ans**
- ☐ 1. Thiruvallangadu inscription
 - ☐ 2. Thirunanthikarai inscription
 - ☒ 3. Uttaramerur inscription
 - ☐ 4. Darsanam Koppu inscription

Q.25 What is known to be 'ekaharya', where one dancer takes on many roles in a single performance?

- Ans**
- ☒ 1. Bharatanatyam
 - ☐ 2. Kuchipudi
 - ☐ 3. Kathakali
 - ☐ 4. Kathak

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	09/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I VH

Section : English Language

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

Everyone have/ to join health orientation/ classes before/ going for trekking.

- Ans
- ☒ 1. Everyone have
 - ☐ 2. to join health orientation
 - ☐ 3. classes before
 - ☐ 4. going for trekking

Q.2 Identify the error in the given sentence and select the correct sentence from the given options.
This is the story of eight round planets, the few rocks in between, and some comets.

- Ans
- ☒ 1. This is the story of eight round planets, a few rocks in between, and some comets.
 - ☐ 2. This is story of eight round planets, few rocks in between, and some comets.
 - ☐ 3. This is the story of eight round planets, few rocks in between, and some comets.
 - ☐ 4. This is a story of eight round planets, few rocks in between, and some comets.

Q.3 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
It was noticed / that he truthful / answered the questions / raised by the Headmistress.

- Ans
- ☐ 1. raised by the Headmistress.
 - ☐ 2. answered the questions
 - ☒ 3. that he truthful
 - ☐ 4. It was noticed

Q.4 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
Our plane / arrived at / the Mumbai airport / at the right time.

- Ans
- ☐ 1. arrived at
 - ☐ 2. Our plane
 - ☒ 3. the Mumbai airport
 - ☐ 4. at the right time

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in the blanks.

Our country, India, is one of the 12 mega bio-diversity countries of the world. With about 47,000 plant species, India (1)_____ tenth place in the world and fourth in Asia in plant diversity. There are (2)_____ 15,000 flowering plants in India, which account for 6 per cent of the world's (3)_____ number of flowering plants. The country has many non-flowering plants, (4)_____ as ferns, algae and fungi. India also has approximately 90,000 (5)_____ of animals, as well as a rich variety of fish in its fresh and marine waters.

SubQuestion No : 5

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

- Ans
- ☒ 1. occupies
 - ☐ 2. had
 - ☐ 3. occupy
 - ☐ 4. have

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in the blanks.

Our country, India, is one of the 12 mega bio-diversity countries of the world. With about 47,000 plant species, India (1)_____ tenth place in the world and fourth in Asia in plant diversity. There are (2)_____ 15,000 flowering plants in India, which account for 6 per cent of the world's (3)_____ number of flowering plants. The country has many non-flowering plants, (4)_____ as ferns, algae and fungi. India also has approximately 90,000 (5)_____ of animals, as well as a rich variety of fish in its fresh and marine waters.

SubQuestion No : 6

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

- Ans**
- ☒ 1. of
 - ☒ 2. many
 - ☒ 3. about
 - ☒ 4. a

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in the blanks.

Our country, India, is one of the 12 mega bio-diversity countries of the world. With about 47,000 plant species, India (1)_____ tenth place in the world and fourth in Asia in plant diversity. There are (2)_____ 15,000 flowering plants in India, which account for 6 per cent of the world's (3)_____ number of flowering plants. The country has many non-flowering plants, (4)_____ as ferns, algae and fungi. India also has approximately 90,000 (5)_____ of animals, as well as a rich variety of fish in its fresh and marine waters.

SubQuestion No : 7

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

- Ans**
- ☒ 1. exactly
 - ☒ 2. total
 - ☒ 3. nearly
 - ☒ 4. exact

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in the blanks.

Our country, India, is one of the 12 mega bio-diversity countries of the world. With about 47,000 plant species, India (1)_____ tenth place in the world and fourth in Asia in plant diversity. There are (2)_____ 15,000 flowering plants in India, which account for 6 per cent of the world's (3)_____ number of flowering plants. The country has many non-flowering plants, (4)_____ as ferns, algae and fungi. India also has approximately 90,000 (5)_____ of animals, as well as a rich variety of fish in its fresh and marine waters.

SubQuestion No : 8

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

- Ans**
- ☒ 1. as
 - ☒ 2. for
 - ☒ 3. in
 - ☒ 4. such

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in the blanks.

Our country, India, is one of the 12 mega bio-diversity countries of the world. With about 47,000 plant species, India (1)_____ tenth place in the world and fourth in Asia in plant diversity. There are (2)_____ 15,000 flowering plants in India, which account for 6 per cent of the world's (3)_____ number of flowering plants. The country has many non-flowering plants, (4)_____ as ferns, algae and fungi. India also has approximately 90,000 (5)_____ of animals, as well as a rich variety of fish in its fresh and marine waters.

SubQuestion No : 9

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

- Ans**
- ☒ 1. kind
 - ☒ 2. specie
 - ☒ 3. type
 - ☒ 4. species

Q.10 Select the most appropriate option that can substitute the underlined words in the following sentence.

I consider that every matter must be considered in every point of view.

- Ans**
- ☒ 1. of every point
 - ☒ 2. at every point
 - ☒ 3. on every point
 - ☒ 4. from every point

Q.11 Select the most appropriate option that can substitute the underlined segment in the given sentence.
She finished her quickly breakfast and rushed to school.

- Ans**
- ☒ 1. finished breakfast hers quickly
 - ☒ 2. quickly her breakfast finished
 - ☒ 3. her breakfast finished quickly
 - ☒ 4. finished her breakfast quickly

Q.12 Select the **INCORRECTLY** spelt word.

- Ans**
- ☒ 1. Conglomerate
 - ☒ 2. Intermingled
 - ☒ 3. Imprisonment
 - ☒ 4. Condimnation

Q.13 Select the most appropriate **ANTONYM** of the bracketed word in the following sentence to fill in the blank.
Lewis was aggressive, _____ (normal), moody, and brilliantly clever.

- Ans**
- ☒ 1. eccentric
 - ☒ 2. feeble
 - ☒ 3. selfish
 - ☒ 4. dogmatic

Q.14 Select the sentence which gives the most appropriate meaning of the given idiom.
A piece of cake

- Ans**
- ☒ 1. The puzzle was so challenging that it took hours for Sam to solve it.
 - ☒ 2. The restaurant was crowded, but they found a table without any difficulty.
 - ☒ 3. After months of practice, Emily performed her piano piece flawlessly during the concert.
 - ☒ 4. Despite the heavy rain, they managed to have a successful outdoor event.

Q.15 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Once bitten, thrice shy.

- Ans**
- ☒ 1. never shy
 - ☒ 2. twice shy
 - ☒ 3. always shy
 - ☒ 4. once shy

Q.16 Select the most appropriate synonym of the underlined word.
The sun was shining bright and intense in the sky.

- Ans**
- ☒ 1. Mild
 - ☒ 2. Strong
 - ☒ 3. Weak
 - ☒ 4. Subtle

Q.17 Select the most appropriate option to fill in the blank.

I have observed that there is proper natural _____ even at 6 o'clock on summer mornings.

- Ans**
- ☒ 1. sparkle
 - ☒ 2. lucent
 - ☒ 3. gleam
 - ☒ 4. light

Q.18 Select the most appropriate meaning of the given idiom.

Under the weather

- Ans**
- ☒ 1. To enjoy the weather
 - ☒ 2. To feel secure
 - ☒ 3. To work against the weather
 - ☒ 4. To feel unwell

Q.19 Select the most appropriate option to fill in the blank.
I am scared of snakes; likewise, you are _____ of lizards.

- Ans**
- ☒ 1. fearful
 - ☐ 2. fond
 - ☐ 3. critical
 - ☐ 4. passionate

Q.20 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The dog was agitated and bit the child.

- Ans**
- ☐ 1. steady
 - ☐ 2. quiescent
 - ☒ 3. serene
 - ☐ 4. nerveless

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

- Ans**
- ☐ 1. Park
 - ☒ 2. Dress
 - ☐ 3. Hotel
 - ☐ 4. Theatre

Q.22 There is a spelling error in the given sentence. Select the option that contains the INCORRECTLY spelt word.
He was thrilled when he heard about there journey to wonderland.

- Ans**
- ☒ 1. there
 - ☐ 2. heard
 - ☐ 3. journey
 - ☐ 4. thrilled

Q.23 Select the option that can substitute the bracketed word segment meaningfully.
Writing can instil a number of emotions (as in a reader).

- Ans**
- ☒ 1. within a reader
 - ☐ 2. among a reader
 - ☐ 3. until a reader
 - ☐ 4. instead a reader

Q.24 Select the most appropriate synonym of the given word.

Bliss

- Ans**
- ☐ 1. Genesis
 - ☒ 2. Pleasure
 - ☐ 3. Consecration
 - ☐ 4. Avail

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

Hypocrisy

- Ans**
- ☐ 1. Sincerity
 - ☐ 2. Harm
 - ☒ 3. Deceit
 - ☐ 4. Truth

Q.1 Select the set in which the numbers are related in the same way as are the numbers of the given 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.)
(180, 45, 90)
(128, 32, 64)

- Ans**
- ☒ 1. (224, 56, 112)
 - ☐ 2. (186, 46, 93)
 - ☐ 3. (170, 43, 85)
 - ☐ 4. (248, 60, 124)

Q.2 Which of the following numbers will replace the question mark (?) in the given series?

$$\left[\frac{37}{5}\right], \left[\frac{32}{5}\right], \left[\frac{27}{5}\right], \left[\frac{22}{5}\right], \left[\frac{17}{5}\right], ?$$

- Ans**
- ☐ 1. $\left[\frac{16}{5}\right]$
 - ☐ 2. $\left[\frac{14}{5}\right]$
 - ☒ 3. $\left[\frac{12}{5}\right]$
 - ☐ 4. $\left[\frac{9}{5}\right]$

Q.3 'A + B' means 'A is B's husband'.
'A – B' means 'A is B's sister'.
'A × B' means 'A is B's brother'.
'A ÷ B' means 'A is B's father'.
In 'M × N – O ÷ P + Q', what is P of M's? Use the mathematical operators with the same meaning as given above

- Ans**
- ☐ 1. Brother
 - ☐ 2. Brother's daughter
 - ☒ 3. Brother's son
 - ☐ 4. Sister

Q.4 Which of the following numbers will replace the question mark (?) in the given series?
12 16.8 23.52 32.928 ?

- Ans**
- ☐ 1. 42.0992
 - ☐ 2. 39.5289
 - ☐ 3. 36.8124
 - ☒ 4. 46.0992

Q.5 In a certain code language, 'BVLX' is coded as 'EUOW' and 'RGAM' is coded as 'UFDL'. What is the code for 'TZJD' in the given code language?

- Ans**
- ☒ 1. WYMC
 - ☐ 2. WXLB
 - ☐ 3. VXNB
 - ☐ 4. VYND

Q.6 In a certain code language
A + B means 'A is the mother 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 father of B'
Based on the above, how is G related to K if 'G + J ÷ H × I - K'?

- Ans
- ☒ 1. Brother's wife's father's mother
 - ☐ 2. Brother's wife's sister
 - ☐ 3. Brother's wife's father's sister
 - ☐ 4. Brother's wife's mother

Q.7 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 428?

- Ans
- ☒ 1. 113 B 4 D 62 A 2 C 7
 - ☐ 2. 113 B 4 A 62 D 2 C 7
 - ☐ 3. 113 A 4 D 62 B 2 C 7
 - ☐ 4. 113 B 4 C 62 A 2 D 7

Q.8 What should come in place of the question mark (?) in the given series?
121, 144, 169, 196, 225, 256, ?

- Ans
- ☐ 1. 321
 - ☐ 2. 299
 - ☒ 3. 289
 - ☐ 4. 324

Q.9 What should come in place of the question mark (?) to complete the following letter-cluster series?
UME, OPG, ISJ, EVN, ?

- Ans
- ☐ 1. BYS
 - ☒ 2. AYS
 - ☐ 3. AYR
 - ☐ 4. AXS

Q.10 Which of the following numbers will replace the question mark (?) in the given series?
7 13 39 46 138 146 438 447 ?

- Ans
- ☐ 1. 1138
 - ☒ 2. 1341
 - ☐ 3. 1247
 - ☐ 4. 1146

Q.11 If 7 January 2001 was a Sunday, then what was the day of the week on 18 December 2011?

- Ans
- ☐ 1. Monday
 - ☒ 2. Sunday
 - ☐ 3. Tuesday
 - ☐ 4. Thursday

Q.12 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$216 \times 9 + 52 - 7 \div 7 = ?$$

- Ans
- ☐ 1. 22
 - ☐ 2. 19
 - ☐ 3. 20
 - ☒ 4. 21

Q.13 What will come in the place of '?' in the following equation if '+' and '÷' are interchanged and '×' and '-' are interchanged?
 $82 - 36 \div 53 \times 49 + 7 = ?$

- Ans**
- ☐ 1. 3210
 - ☒ 2. 2998
 - ☐ 3. 543
 - ☐ 4. 2010

Q.14 In a certain code language, 'get enough sleep' is coded as 'ab de jf' and 'go get it' is coded as 'jk ab gh'. How is 'get' coded in that language?

- Ans**
- ☐ 1. jf
 - ☐ 2. de
 - ☐ 3. jk
 - ☒ 4. ab

Q.15 What should come in place of the question mark (?) in the given series?
58, 73, 90, 109, ?

- Ans**
- ☐ 1. 103
 - ☐ 2. 301
 - ☐ 3. 310
 - ☒ 4. 130

Q.16 If 29 July 2001 is Sunday, then what will be the day of the week on 20 February 2015?

- Ans**
- ☐ 1. Monday
 - ☐ 2. Sunday
 - ☐ 3. Tuesday
 - ☒ 4. Friday

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.)
Trim : Hair

- Ans**
- ☒ 1. Prune : Hedge
 - ☐ 2. Pluck : Flower
 - ☐ 3. Clip : Clothes
 - ☐ 4. Harvest : Corn

Q.18 If 21 November 2013 was a Friday, then what will be the day of the week on 18 November 2025?

- Ans**
- ☐ 1. Sunday
 - ☒ 2. Wednesday
 - ☐ 3. Tuesday
 - ☐ 4. Friday

Q.19 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

$$98 - 14 \times 11 + 6 \div 23 = ?$$

- Ans**
- ☐ 1. 52
 - ☒ 2. 50
 - ☐ 3. 55
 - ☐ 4. 56

Q.20 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
ACW, FHB, KMG, PRL, ?

- Ans
- ☐ 1. UQW
 - ☐ 2. VQW
 - ☒ 3. UWQ
 - ☐ 4. VWQ

Q.21 $\left[\frac{17}{41}\right]$ is related to $\left[\frac{34}{41}\right]$ following a certain logic. Following the same logic, $\left[\frac{11}{85}\right]$ is related to $\left[\frac{22}{85}\right]$. To which of the following is $\left[\frac{13}{77}\right]$ 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. $\left[\frac{23}{77}\right]$
 - ☐ 2. $\left[\frac{29}{77}\right]$
 - ☒ 3. $\left[\frac{26}{77}\right]$
 - ☐ 4. $\left[\frac{24}{75}\right]$

Q.22 'STEM' is related to 'HGVN' in a certain way based on the English alphabetical order. In the same way, 'QUIT' is related to 'JFRG'. To which of the following is 'ACCOUNTABLE' related, following the same logic?

- Ans
- ☒ 1. ZXXLFMGZYOV
 - ☐ 2. ZXXLFMZGYOV
 - ☐ 3. ZXXFLMGZYOV
 - ☐ 4. ZXXLFMGZYOU

Q.23 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All dresses are clouds.

Some clouds are tables.

Some tables are stones.

Conclusion (I): All stones are dresses.

Conclusion (II): Some dresses are tables.

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

Q.24 If 25 October 2004 was Monday, then what was the day of the week on 2 November 2007?

- Ans
- ☐ 1. Wednesday
 - ☐ 2. Saturday
 - ☐ 3. Thursday
 - ☒ 4. Friday

- Q.25** Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)
- Ans** ☒ 1. ILO
☐ 2. DGK
☐ 3. JMQ
☐ 4. NQU

Section : **Quantitative Aptitude**

- Q.1** A part of the journey is covered in 22.5 minutes at a speed of 68 km/h and the remaining part in 12 minutes at a speed of 72 km/h. The total distance of the journey is (to the nearest integer):

- Ans** ☐ 1. 38 km
☒ 2. 40 km
☐ 3. 35 km
☐ 4. 42 km

- Q.2** If Ramu's salary is 30% less than Somu's salary, then by how much percent is Somu's salary more than Ramu's salary?

- Ans** ☐ 1. 42.67%
☐ 2. 45.47%
☐ 3. 34.56%
☒ 4. 42.86%

- Q.3** If successive percentage change 20% of 30% of 40% of a number is 3, then what is a single equivalent percentage of that same number?

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

- Q.4** The age of a tree depends on the number of rings in the trunk. The value of a such tree is proportional to its age. If a tree with 40 rings and 50 years of age has a value of ₹50,000, then a tree with 30 rings is ____ years of age and its value is ₹____.

- Ans** ☐ 1. 37.5, 57500
☐ 2. 57.5, 57500
☐ 3. 57.5, 37500
☒ 4. 37.5, 37500

- Q.5** If the intersection point of the equations $3p - 2q + 23 = 0$ and $-2p + q - 13 = 0$ on the graph is (p, q), then the value of (3p + q) is equal to:

- Ans** ☐ 1. 1
☐ 2. -1
☐ 3. 2
☒ 4. -2

- Q.6** If a sum of ₹3,260 on simple interest amounts to ₹5,420 in 6 years, then what will this sum amount to in 4 years at the same rate of interest?

- Ans** ☐ 1. ₹4,500
☐ 2. ₹3,700
☒ 3. ₹4,700
☐ 4. ₹3,900

Q.7 How many cubes of edge 15 cm can be put in a cubical box of 3 m edge?

- Ans
- ☐ 1. 2000
 - ☐ 2. 1050
 - ☒ 3. 8000
 - ☐ 4. 9000

Q.8 In $\triangle ABC$, $AC = 9$ cm and $BC = 18$ cm. R is a point on AB such that $CR = 12$ cm and $\angle ACR = \angle B$. What is the length (in cm) of BR ?

- Ans
- ☐ 1. 11.5
 - ☒ 2. 7.5
 - ☐ 3. 6.5
 - ☐ 4. 13.5

Q.9 A number is first decreased by 18% and the resulting number is then increased by 25%. What is the overall percentage change in the original number?

- Ans
- ☐ 1. Decrease by 2.5%
 - ☐ 2. Increase by 3.5%
 - ☒ 3. Increase by 2.5%
 - ☐ 4. Decrease by 3.5%

Q.10 If $x:5 = y:27 = z:24$, find $\frac{z}{x+y+z}$.

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

Q.11 What is the value of the following expression?

$$\left(24 \div 3 \text{ of } \frac{1}{6}\right) \times \left(\frac{4}{5} \div \frac{9}{8} \times \frac{3}{5}\right) \div \left(\frac{4}{7} \div \frac{3}{14} \text{ of } \frac{3}{14}\right)$$

- Ans
- ☐ 1. $\frac{363}{553}$
 - ☒ 2. $\frac{288}{175}$
 - ☐ 3. $\frac{579}{459}$
 - ☐ 4. $\frac{379}{179}$

Q.12 PQ is the diameter of a circle with centre O . PT is a tangent touching the circle at P . The secant QT intersects the circle at S . O and S are joined. If $\angle SOP = 104^\circ$, what is the measure (in degrees) of $\angle PTQ$?

- Ans
- ☐ 1. 45
 - ☐ 2. 62
 - ☐ 3. 76
 - ☒ 4. 38

Q.13 $\triangle XYZ$ is similar to $\triangle PQR$. If the ratio of the perimeter of $\triangle XYZ$ to the perimeter of $\triangle PQR$ is 16 : 9 and $PQ = 3.6$ cm, then what is the length (in cm) of XY ?

- Ans
- ☐ 1. $2\frac{3}{5}$
 - ☐ 2. $3\frac{4}{5}$
 - ☐ 3. $4\frac{3}{5}$
 - ☒ 4. $6\frac{2}{5}$

Q.14 PQ and RS are two chords of a circle such that $PQ = 12$ cm and $RS = 20$ cm and PQ is parallel to RS . If the distance between PQ and RS is 4 cm, find the diameter of the circle.

- Ans
- ☐ 1. $3\sqrt{34}$ cm
 - ☒ 2. $4\sqrt{34}$ cm
 - ☐ 3. $2\sqrt{34}$ cm
 - ☐ 4. $6\sqrt{34}$ cm

Q.15 A closed cylindrical tank of radius 1.5 m and height 3 m is made from a sheet of metal, how much sheet of metal is required to do it?

- Ans
- ☐ 1. 24.24 square metre
 - ☒ 2. 42.42 square metre
 - ☐ 3. 24.42 square metre
 - ☐ 4. 42.24 square metre

Q.16 Find the total number of prime factors in the product $\{ (9)^{11} \times 7^5 \times (13)^2 \}$.

- Ans
- ☒ 1. 29
 - ☐ 2. 16
 - ☐ 3. 12
 - ☐ 4. 35

Q.17 A shopkeeper allows a discount of 22% to his customers and still gains 36%. Find the marked price (in ₹) of an article which costs ₹1,092 to the shopkeeper.

- Ans
- ☐ 1. 1,792
 - ☐ 2. 2,024
 - ☐ 3. 1,872
 - ☒ 4. 1,904

Q.18 Consider AD is a tangent to a circle of radius 6 cm. AC is a secant meeting the circle at B and CD is a diameter. If AB is 7 cm, then the value of AC (in cm) is:

- Ans
- ☒ 1. 16
 - ☐ 2. 20
 - ☐ 3. 18
 - ☐ 4. 9

Q.19 The total income of three families is ₹72,000. Their expenditures are 80%, 85% and 75%, respectively. If the savings are in the ratio 8 : 9 : 20, then the income of the second family is:

- Ans
- ☐ 1. ₹16,000
 - ☒ 2. ₹24,000
 - ☐ 3. ₹40,000
 - ☐ 4. ₹32,000

Q.20 Simply the following expression.

$$469 \div [270 \div (\frac{3}{7} \times 35) + (19 \times 3) - (\frac{21}{2} - \frac{5}{2})]$$

- Ans
- ☐ 1. 11
 - ☐ 2. 9
 - ☒ 3. 7
 - ☐ 4. 13

Q.21 30 men working 5 hours a day can do work in 18 days. In how many days will 20 men working 7 hours a day do the same work?

- Ans
- ☐ 1. $13\frac{1}{7}$
 - ☐ 2. $16\frac{5}{7}$
 - ☐ 3. $11\frac{3}{7}$
 - ☒ 4. $19\frac{2}{7}$

Q.22 If $\tan \theta = \frac{7}{4}$, then the value of $\frac{4 \sin \theta - 3 \cos \theta}{4 \sin \theta + 3 \cos \theta}$ is equal to:

- Ans
- ☐ 1. $\frac{1}{3}$
 - ☐ 2. $\frac{4}{5}$
 - ☐ 3. $\frac{3}{5}$
 - ☒ 4. $\frac{2}{5}$

Q.23 The average salary of a group of 12 employees in an institution is ₹3,950 per month and that of another group of employees is ₹1,850. If the average salary of all employees is ₹2,150, then the total number of employees is:

- Ans
- ☐ 1. 100
 - ☒ 2. 84
 - ☐ 3. 72
 - ☐ 4. 88

Q.24 A dishonest dealer professes to sell his goods at the cost price, but he uses a false weight of 850 grams per 1 kg weight. Find the percentage of his gain. (Correct up to two decimal places)

- Ans
- ☐ 1. 17.54%
 - ☐ 2. 17.56%
 - ☒ 3. 17.65%
 - ☐ 4. 17.45%

Q.25 Two cubes have their volumes in the ratio 1 : 125. Find the ratio of their surface areas.

- Ans
- ☐ 1. 1 : 125
 - ☐ 2. 1 : 5
 - ☐ 3. 25 : 1
 - ☒ 4. 1 : 25

Q.1	The Mundra Thermal Power Plant is located in which district of Gujarat?
Ans	 1. Kutch  2. Gandhinagar  3. Kheda  4. Jamnagar
Q.2	Who was the founder of the Bahmani Sultanate?
Ans	 1. Alauddin Hasan Bahman Shah  2. Feroz Shah Bahmani  3. Muhammad Bin Tughlaq  4. Muhammad Shah
Q.3	The Bhotia dance form is a folk-dance from which of the following Indian states?
Ans	 1. Uttarakhand  2. Odisha  3. Tamil Nadu  4. Goa
Q.4	Which of the following statements is/are correct I – Maximum National Parks in India are located in the state of Madhya Pradesh. II – Mudumalai National Park is located in Kerala. III – The Salim Ali Centre for Ornithology and Natural History is located in Tamil Nadu.
Ans	 1. Only III is correct  2. Both I and III are correct  3. Both I and II are correct  4. Only I is correct.
Q.5	How many languages are included in the Eighth Schedule of the Constitution of India as scheduled languages?
Ans	 1. 22  2. 23  3. 24  4. 21
Q.6	In March 2023, Rashmi Shukla was appointed as the Director General of which organisation?
Ans	 1. Sashastra Seema Bal  2. Central Reserve Police Force  3. Border Security Force  4. Indo-Tibetan Border Police
Q.7	Which keyboard key is used to jump the cursor to the next cell of the table in MS Word?
Ans	 1. Tab  2. Ctrl  3. Shift  4. Home
Q.8	Select the musical instrument which is NOT played by way of percussion or NOT played by way of striking any object?
Ans	 1. Shehnai  2. Tabla  3. Drum  4. Pakhawaj
Q.9	Which of the following is a cyclic arrangement of time units in Hindustani classical music?
Ans	 1. Tala  2. Nyasa  3. Jati  4. Raga

Q.10 Easter is a religious festival of:

- Ans**
- ☒ 1. Christians
 - ☐ 2. Hindus
 - ☐ 3. Buddhists
 - ☐ 4. Sikhs

Q.11 India's first indigenous Aircraft Carrier, _____, conducted its maiden sea travel in August 2021 marking a significant step towards making military equipment in India.

- Ans**
- ☐ 1. INS Vayudooth
 - ☒ 2. INS Vikrant
 - ☐ 3. INS Kranti
 - ☐ 4. INS Swades

Q.12 With reference to the Directive Principles of State policy contained in the Constitution of India, which of the following statements is/are correct?

- 1. Article 37 of the Constitution of India provides that the Directive Principles of State Policy are enforceable in the High Courts only.
- 2. Article 38 provides that the State shall strive to minimise the inequalities in income amongst individuals and groups of people.
- 3. Article 39 provides that the State shall direct its policy towards securing that there is equal pay for equal work for both men and women.

- Ans**
- ☒ 1. Only 2 and 3
 - ☐ 2. Only 2
 - ☐ 3. Only 1 and 3
 - ☐ 4. Only 1

Q.13 Which of the following countries was the host of the ICC World Test Championship Cricket final played between India and New Zealand from 18-23 June 2021?

- Ans**
- ☒ 1. England
 - ☐ 2. South Africa
 - ☐ 3. Australia
 - ☐ 4. India

Q.14 What is the penalty for a wide ball in cricket?

- Ans**
- ☐ 1. Six runs
 - ☐ 2. Four runs
 - ☐ 3. A free hit
 - ☒ 4. One run

Q.15 What is the keyboard shortcut for opening a blank new document in MS-Word?

- Ans**
- ☒ 1. Ctrl + N
 - ☐ 2. Ctrl + C
 - ☐ 3. Ctrl + S
 - ☐ 4. Ctrl + B

Q.16 Match the items in List I with those in List II.

List I

List II

i. Garibi Hatao

a. Fifth Five-Year Plan

ii. LPG policies

b. Ninth Five-Year Plan

iii. Rolling Plan

c. 1978-80

iv. Growth with justice and equity

d. Eighth Five-Year Plan

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

Q.17 If an object of mass 2 kg is dropped from a height of 10 metres, what will be the ratio of its potential energy and kinetic energy at the height of 5 metres ($g=10\text{m/sec}^2$)

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

Q.18 Which of the following is NOT a mutation-based disease?

- Ans
- ☐ 1. Phenylketonuria
 - ☒ 2. Malaria
 - ☐ 3. Sick cell anaemia
 - ☐ 4. Down syndrome

Q.19 BVR Subrahmanyam was appointed as the _____, in February 2023.

- Ans
- ☒ 1. CEO of NITI Aayog
 - ☐ 2. Chairman of NITI Aayog
 - ☐ 3. CEO of IBRD
 - ☐ 4. Chairman of UPSC

Q.20 Who founded the Bombay Presidency Association in 1885 along with Pherozeshah Mehta and KT Telang?

- Ans
- ☐ 1. Behramji M Malabari
 - ☐ 2. Zakir Husain
 - ☒ 3. Badruddin Tyabji
 - ☐ 4. AK Fazlul Haq

Q.21 Rotating Savings and Credit Association (ROSCA) was introduced by Shirley Ardener in the year _____.

- Ans
- ☐ 1. 1963
 - ☒ 2. 1964
 - ☐ 3. 1955
 - ☐ 4. 1970

Q.22 In which year was the 15th National Census Survey of India conducted?

- Ans
- ☐ 1. 1991
 - ☐ 2. 2001
 - ☐ 3. 2021
 - ☒ 4. 2011

Q.23 Which city will host 2028 Olympics games?

- Ans**
-  1. San Diego, USA
 -  2. Boston, USA
 -  3. New York, USA
 -  4. Los Angles, USA

Q.24 The point in the orbit of an object (such as a satellite) orbiting the earth that is at the greatest distance from the centre of the earth is known as:

- Ans**
-  1. aphelion
 -  2. perigee
 -  3. perihelion
 -  4. apogee

Q.25 Which of the following is NOT a way to acquire citizenship in India?

- Ans**
-  1. Renunciation
 -  2. Registration
 -  3. Birth
 -  4. Incorporation of territory

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	09/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I VH

Section : English Language

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
The workers called out / the strike because / the management acceded to / all their demands.

- Ans**
- ☒ 1. The workers called out
 - ☐ 2. all their demands
 - ☐ 3. the management acceded to
 - ☐ 4. the strike because

Q.2 The given sentence is divided into four segments. Identify the segment that contains a grammatical error.
A company can / make money by / obtain resources / more affordably.

- Ans**
- ☒ 1. obtain resources
 - ☐ 2. make money by
 - ☐ 3. more affordably.
 - ☐ 4. A company can

Q.3 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.
She / did not watched / Frankenstein / last night.

- Ans**
- ☐ 1. last night.
 - ☐ 2. She
 - ☒ 3. did not watched
 - ☐ 4. Frankenstein

Q.4 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Mahima is as smarter as Shilpi.

- Ans**
- ☐ 1. more smart as
 - ☐ 2. smartest than
 - ☒ 3. as smart as
 - ☐ 4. most smart as

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.

Conversation is indeed the (1)_____ teachable of all arts. All you need to do in order to become a good conversationalist is to find a (2)_____ that interests you and your listeners. But the important thing is that you must talk about the other (3)_____ hobby rather than your own. Therein lies the secret of your (4)_____. Talk to your friends about the things that interest them, and you will get a reputation for good fellowship, charming wit, and a brilliant mind. There is nothing that (5)_____ people so much as your interest in their interest.

SubQuestion No : 5

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

- Ans**
- ☒ 1. most easily
 - ☐ 2. more easily
 - ☐ 3. most occasionally
 - ☐ 4. more likely

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.

Conversation is indeed the (1)_____ teachable of all arts. All you need to do in order to become a good conversationalist is to find a (2)_____ that interests you and your listeners. But the important thing is that you must talk about the other (3)_____ hobby rather than your own. Therein lies the secret of your (4)_____. Talk to your friends about the things that interest them, and you will get a reputation for good fellowship, charming wit, and a brilliant mind. There is nothing that (5)_____ people so much as your interest in their interest.

SubQuestion No : 6

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

- Ans**
- ☒ 1. luxury
 - ☒ 2. result
 - ☒ 3. subject
 - ☒ 4. credit

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.

Conversation is indeed the (1)_____ teachable of all arts. All you need to do in order to become a good conversationalist is to find a (2)_____ that interests you and your listeners. But the important thing is that you must talk about the other (3)_____ hobby rather than your own. Therein lies the secret of your (4)_____. Talk to your friends about the things that interest them, and you will get a reputation for good fellowship, charming wit, and a brilliant mind. There is nothing that (5)_____ people so much as your interest in their interest.

SubQuestion No : 7

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

- Ans**
- ☒ 1. victim's
 - ☒ 2. fellow's
 - ☒ 3. self's
 - ☒ 4. worker's

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.

Conversation is indeed the (1)_____ teachable of all arts. All you need to do in order to become a good conversationalist is to find a (2)_____ that interests you and your listeners. But the important thing is that you must talk about the other (3)_____ hobby rather than your own. Therein lies the secret of your (4)_____. Talk to your friends about the things that interest them, and you will get a reputation for good fellowship, charming wit, and a brilliant mind. There is nothing that (5)_____ people so much as your interest in their interest.

SubQuestion No : 8

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

- Ans**
- ☒ 1. irrationality
 - ☒ 2. popularity
 - ☒ 3. capacity
 - ☒ 4. audacity

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.

Conversation is indeed the (1)_____ teachable of all arts. All you need to do in order to become a good conversationalist is to find a (2)_____ that interests you and your listeners. But the important thing is that you must talk about the other (3)_____ hobby rather than your own. Therein lies the secret of your (4)_____. Talk to your friends about the things that interest them, and you will get a reputation for good fellowship, charming wit, and a brilliant mind. There is nothing that (5)_____ people so much as your interest in their interest.

SubQuestion No : 9

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

- Ans**
- ☒ 1. advances
 - ☒ 2. pleases
 - ☒ 3. accompanies
 - ☒ 4. admits

Q.10 Select the most appropriate meaning of the given idiom.

A wild goose chase

- Ans**
- ☒ 1. Fruitless search
 - ☐ 2. Fruitful search
 - ☐ 3. On a hunt
 - ☐ 4. Ideal seeking

Q.11 The given sentence is divided into four segments. Identify the segment that contains a spelling error.
When the famous businessman / faced a huge loss / in his business, / no one expressed sympathy.

- Ans**
- ☒ 1. no one expressed sympathy
 - ☐ 2. When the famous businessman
 - ☐ 3. in his business
 - ☐ 4. faced a huge loss

Q.12 Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank.
The meeting was brought to a _____ (rapid) conclusion.

- Ans**
- ☐ 1. stubborn
 - ☐ 2. grim
 - ☐ 3. pervious
 - ☒ 4. hasty

Q.13 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'.
The small size of his store makes it impossible for him to stock all the items.

- Ans**
- ☐ 1. made them impossible
 - ☐ 2. is made it impossible
 - ☐ 3. making it impossible
 - ☒ 4. No substitution required

Q.14 Select the most appropriate meaning of the given idiom.
An old head on young shoulders

- Ans**
- ☐ 1. A person who is slow at understanding things.
 - ☐ 2. A young person who looks old.
 - ☐ 3. A young person who is lazy.
 - ☒ 4. A young person who acts or speaks like an older person.

Q.15 Select the most appropriate option to fill in the blank.

I would like to reach the _____ of the Everest.

- Ans**
- ☒ 1. peak
 - ☐ 2. pike
 - ☐ 3. peek
 - ☐ 4. pick

Q.16 Select the INCORRECTLY spelt word in the given sentence.
The ministir ordered the engineers to build roads through high mountains and bridges across deep ravines in a week.

- Ans**
- ☐ 1. Engineers
 - ☐ 2. Bridges
 - ☒ 3. Ministir
 - ☐ 4. Ravines

Q.17 Select the most appropriate option to correct the sentence by using the proper meaning of the underlined word.
He scores good marks in exams as he is quite meticulous.

- Ans**
- ☐ 1. Selective
 - ☐ 2. Intelligent
 - ☐ 3. Lazy
 - ☒ 4. Careful

Q.18 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Professor Singh is not in the office today. I ask you try call him tomorrow.

- Ans**
- ☒ 1. asked you to call
 - ☒ 2. suggest you try calling
 - ☒ 3. am suggesting you calling
 - ☒ 4. ask you to try called

Q.19 Choose an appropriate word that can substitute the bracketed word and complete the sentence meaningfully.
He never (talks) the truth.

- Ans**
- ☒ 1. speaks
 - ☒ 2. utters
 - ☒ 3. declares
 - ☒ 4. narrates

Q.20 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The coach was optimistic that Ronald will play the quarter final.

- Ans**
- ☒ 1. Doubtful
 - ☒ 2. Tasteful
 - ☒ 3. Helpful
 - ☒ 4. Cheerful

Q.21 Select the most appropriate synonym of the underlined word.
The girl tried to alleviate her brother's problem.

- Ans**
- ☒ 1. increase
 - ☒ 2. soar
 - ☒ 3. worsen
 - ☒ 4. reduce

Q.22 Select the most appropriate ANTONYM of the underlined word.

The encounter made the audience squirm.

- Ans**
- ☒ 1. Relax
 - ☒ 2. Pray
 - ☒ 3. Chat
 - ☒ 4. Speak

Q.23 Select the most appropriate synonym of the underlined word.

John is very generous; he regularly gives alms to the poor.

- Ans**
- ☒ 1. kind
 - ☒ 2. shrewd
 - ☒ 3. popular
 - ☒ 4. great

Q.24 Select the most appropriate ANTONYM of the underlined word.

The poet was lost in a reverie.

- Ans**
- ☒ 1. Daydream
 - ☒ 2. Fantasy
 - ☒ 3. Trance
 - ☒ 4. Reality

Q.25 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Bill Gates' fortune was bequeathed for the old age home.

- Ans**
- ☒ 1. into the old age home
 - ☒ 2. by the old age home
 - ☒ 3. to the old age home
 - ☒ 4. with the old age home

Q.1 Which two numbers should be interchanged to make the given equation correct?

$$29 + 46 - (48 \div 4) + (7 \times 3) - 26 = 61$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

- Ans
- ☒ 1. 4 and 3
 - ☐ 2. 46 and 48
 - ☐ 3. 46 and 26
 - ☐ 4. 26 and 29

Q.2 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

AEO, XAM, UWK, RSI, ?

- Ans
- ☐ 1. MNH
 - ☒ 2. OOG
 - ☐ 3. NMF
 - ☐ 4. LMH

Q.3 In a certain code language, 'future is bright' is coded as 'pl mk ni' and 'bright shooting star' is coded as 'dg rz pl'. How is 'bright' coded in that language?

- Ans
- ☐ 1. ni
 - ☐ 2. mk
 - ☐ 3. dg
 - ☒ 4. pl

Q.4 What should come in place of ? in the given series?

3, 15, 75, 375, 1875, ?

- Ans
- ☒ 1. 9375
 - ☐ 2. 9175
 - ☐ 3. 9275
 - ☐ 4. 9575

Q.5 242 is related to 22 following a certain logic. Following the same logic, 385 is related to 35. To which of the following is 572 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. 52
 - ☐ 2. 54
 - ☐ 3. 56
 - ☐ 4. 50

Q.6 BTC is related to GYH in a certain way based on the English alphabetical order. In the same way, LNO is related to QST. To which of the following is PJI related following the same logic?

- Ans
- ☒ 1. UON
 - ☐ 2. SML
 - ☐ 3. IJP
 - ☐ 4. OIH

Q.7 In a certain code language, 'if you are' is coded as 'go so lu' and 'where are you' is coded as 'so lu ga'. What is the code for 'where' in that language?

- Ans**
- ☐ 1. lu
 - ☐ 2. go
 - ☐ 3. so
 - ☒ 4. ga

Q.8 If 19 February 2014 was Wednesday, then what was the day of the week on 19 February 2022?

- Ans**
- ☐ 1. Thursday
 - ☐ 2. Tuesday
 - ☐ 3. Wednesday
 - ☒ 4. Saturday

Q.9 Which of the following numbers will replace the question mark (?) in the given series?
16 31 60 117 230 ?

- Ans**
- ☐ 1. 465
 - ☐ 2. 440
 - ☒ 3. 455
 - ☐ 4. 427

Q.10 EHJL is related to FJMP in a certain way based on the English alphabetical order. In the same way, BEGI is related to CGJM. To which of the following is DGIK related, following the same logic?

- Ans**
- ☐ 1. EJIO
 - ☐ 2. EIJO
 - ☐ 3. ELIO
 - ☒ 4. EILO

Q.11 Each of the letters in the word MISTAKEN are arranged from left to right in alphabetical order to form a new word. How many letters are there in the English alphabetical series between the alphabet which is fifth from the left and the one which is first from the right in the newly formed word?

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

Q.12 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. JKQP
 - ☒ 2. OPMK
 - ☐ 3. DEWV
 - ☐ 4. QRJI

Q.13 Select the term from among the given options that can replace the question mark (?) in the following series based on the English alphabetical order.

JKL, LHP, NET, ?, RYB, TVF

- Ans**
- ☐ 1. COL
 - ☒ 2. PBX
 - ☐ 3. RAL
 - ☐ 4. POF

- Q.14** 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.)
(120, 8, 15)
(144, 24, 6)
- Ans**  1. (106, 4, 26)
 2. (124, 6, 21)
 3. (134, 22, 6)
 4. (115, 23, 5)

- Q.15** Which of the following numbers will replace the question mark (?) in the given series?
86 129 105 118 124 107 143 96 ?
- Ans**  1. 153
 2. 138
 3. 149
 4. 162

- Q.16** What should come in place of '?' in the given series?
126 1236 12336 123336 1233336 ?
- Ans**  1. 1233633
 2. 12333366
 3. 12333336
 4. 12333363

- Q.17** In a certain code language,
'A@ B' means 'A is the husband of B',
'A # B' means 'A is the mother of B',
'A & B' means 'A is the daughter of B',
'A \$ B' means 'A is the brother of B'.
Based on this, how is P related to M, if 'M & N @ O # P \$ Q'?
- Ans**  1. Father's brother
 2. Son
 3. Brother
 4. Father

- Q.18** What will come in the place of '?' in the following equation if '+' and '÷' are interchanged and '×' and '-' are interchanged?
 $36 - 42 \div 26 + 13 \times 14 = ?$
- Ans**  1. 1200
 2. 1324
 3. 1500
 4. 3467

- Q.19** If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 684?
- Ans**  1. 32 A 21 D 60 B 2 C 42
 2. 32 D 21 B 60 A 2 C 42
 3. 32 B 21 D 60 A 2 C 42
 4. 32 C 21 D 60 A 2 B 42

Q.20 इस प्रश्न में शब्द-युग्म है जिनका एक दूसरे से एक निश्चित संबंध है। उस युग्म का चयन कीजिए जिसमें समान संबंध नहीं है।

चतुर : बुद्धिमान

1) उत्तरदायी : जवाबदेह

2) विनम्र : नम्र

3) फुर्तीला : सुस्त

4) प्रकोप : विस्फोट

Ans ☒ 1. 1

☒ 2. 3

☒ 3. 2

☒ 4. 4

Q.21 If 22 March 2000 is a Wednesday, then what will the day of the week on 16th January 2010?

Ans ☒ 1. Sunday

☒ 2. Tuesday

☒ 3. Wednesday

☒ 4. Saturday

Q.22 Three of the following four letter-clusters are alike in a certain way and thus form a group. Select the letter-cluster that does NOT belong to that group (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

Ans ☒ 1. GDI

☒ 2. OLQ

☒ 3. NQL

☒ 4. YVA

Q.23 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:

No cloud is a mountain.

All mountains are rivers.

All rivers are oceans.

Conclusions:

(I) All rivers can never be clouds.

(II) All mountains are oceans.

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.24 What should come in place of the question mark (?) in the given series?
289, 272, 257, 244, ?

Ans ☒ 1. 232

☒ 2. 233

☒ 3. 203

☒ 4. 332

Q.25 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?

222 A 2 C 7 B 3 D 11 = ?

Ans ☒ 1. 111

☒ 2. 141

☒ 3. 121

☒ 4. 131

Q.1 In a right angle triangle with sides 12 cm and 16 cm and hypotenuse 20 cm, the length of altitude drawn on the hypotenuse from the opposite vertex is K. Find the value of K.

- Ans
- ☐ 1. 6.9 cm
 - ☐ 2. 6.8 cm
 - ☐ 3. 8.6cm
 - ☒ 4. 9.6 cm

Q.2 If Tanya walks at the speed of 6 km/h, she misses a train by 2 minutes. However, if she walks at the speed of 8 km/h, she reaches the station 3 minutes before the arrival of the train. The distance covered by Tanya to reach the station is:

- Ans
- ☐ 1. 2.5 km
 - ☐ 2. 3 km
 - ☐ 3. 2.75 km
 - ☒ 4. 2 km

Q.3 If $A : B = 5 : 8$ and $B : C = 7 : 8$, then find $A : C$.

- Ans
- ☐ 1. 55 : 30
 - ☐ 2. 34 : 64
 - ☒ 3. 35 : 64
 - ☐ 4. 35 : 56

Q.4 In an election there were only two candidates. One of the candidates secured 35% of votes and is defeated by the other candidate by 381 votes. The total number of votes polled is:

- Ans
- ☒ 1. 1270
 - ☐ 2. 1028
 - ☐ 3. 635
 - ☐ 4. 514

Q.5 Evaluate the given expression.

$$(45 + 9) \div 2 - 7 \times 33 \div 7 + \{(7 + 18) \times 6\} + 9 \times 8 - 89$$

- Ans
- ☐ 1. 125
 - ☐ 2. 118
 - ☐ 3. 112
 - ☒ 4. 127

Q.6 The lines $x+y = 10$ and $-3x+y = 2$ have a unique solution. What is the distance (in units) between the unique solution and the point of intersection of the line $x+y = 10$ and the x-axis?

- Ans
- ☐ 1. 10
 - ☒ 2. $8\sqrt{2}$
 - ☐ 3. 8
 - ☐ 4. $10\sqrt{2}$

Q.7 Find the equation of the sphere having centre $(-1,2,-3)$ and the radius of 3 units.

- Ans
- ☐ 1. $x^2 + y^2 + z^2 + x - 2y + 3z + 5 = 0$
 - ☒ 2. $x^2 + y^2 + z^2 + 2x - 4y + 6z + 5 = 0$
 - ☐ 3. $x^2 + y^2 + z^2 - 2x + 4y - 6z + 5 = 0$
 - ☐ 4. $x^2 + y^2 + z^2 - x + 2y - 3z + 5 = 0$

Q.8 Ramesh sells an article for ₹34,440, after allowing an 18% discount on the marked price and still manages to gain 40% profit. If Ramesh sold the article at a 12% discount on the marked price, then what will be his profit, correct to two places of decimals?

- Ans**
- ☐ 1. 48.24%
 - ☐ 2. 48.42%
 - ☒ 3. 50.24%
 - ☐ 4. 50.42%

Q.9 The average marks scored by the students of a class is 75. If the average marks scored by the girls in the same class is 90 and that of boys is 70, what is the percentage of boys in the class?

- Ans**
- ☐ 1. 70%
 - ☐ 2. 60%
 - ☒ 3. 75%
 - ☐ 4. 65%

Q.10 The length and breadth of a rectangle are increased by 28% and 10%, respectively. By how much will the percentage area of the rectangle increase?

- Ans**
- ☐ 1. 38.8%
 - ☐ 2. 34.8%
 - ☒ 3. 40.8%
 - ☐ 4. 36.8%

Q.11 If $\sin\theta = \frac{7}{25}$, then
 $\cos\theta$ and $\tan\theta$ are respectively _____.
(where θ is in the first quadrant)

- Ans**
- ☐ 1. $\frac{24}{25}$ and $\frac{24}{7}$
 - ☐ 2. $\frac{25}{24}$ and $\frac{24}{7}$
 - ☐ 3. $\frac{25}{7}$ and $\frac{7}{24}$
 - ☒ 4. $\frac{24}{25}$ and $\frac{7}{24}$

Q.12 A tangent is drawn from a point that is at a distance of 37 cm from center of the circle O, and diameter is 24 cm. The length (in cm) of the tangent is:

- Ans**
- ☒ 1. 35
 - ☐ 2. 37
 - ☐ 3. 30
 - ☐ 4. 28.16

Q.13 By selling 60 pens, a man gains an amount equal to the selling price of 12 pens. What is his gain percentage?

- Ans
- ☒ 1. 25%
 - ☐ 2. 20%
 - ☐ 3. 27%
 - ☐ 4. 22%

Q.14 If 6 engineers can complete a work in 5 days and 5 skilled workers can complete the same work in 7 days, then the time taken (in days) to complete the same work by 7 engineers and 4 skilled workers will be:

- Ans
- ☐ 1. $2\frac{65}{73}$
 - ☐ 2. $3\frac{64}{73}$
 - ☐ 3. $2\frac{64}{70}$
 - ☒ 4. $2\frac{64}{73}$

Q.15 The sides ST and TR and the median SU of the ΔSTR are equal to the sides MN and NJ and the median MV of the ΔMNJ , respectively. If $\angle TSU = 46^\circ$, $\angle NMJ = 79^\circ$ and $\angle MVN = 88^\circ$, what is the degree measure of $\frac{7}{11} \angle SRT$?

- Ans
- ☐ 1. 47°
 - ☐ 2. 56°
 - ☐ 3. 55°
 - ☒ 4. 35°

Q.16 If the radius of the base and slant height of the cone is 6 cm and 10 cm, respectively, then the volume of the cone is equal to:

- Ans
- ☒ 1. $96\pi \text{ cm}^3$
 - ☐ 2. $108\pi \text{ cm}^3$
 - ☐ 3. $106\pi \text{ cm}^3$
 - ☐ 4. $98\pi \text{ cm}^3$

Q.17 A car is sold for ₹5,00,000, which is 20% less than its original price. What was the original price of the car?

- Ans
- ☐ 1. ₹6,00,000
 - ☐ 2. ₹6,75,000
 - ☐ 3. ₹6,50,000
 - ☒ 4. ₹6,25,000

Q.18 If a person's salary increases from ₹200 per day to ₹234 per day, then the percentage increase in the person's salary is:

- Ans
- ☐ 1. 14%
 - ☐ 2. 16%
 - ☒ 3. 17%
 - ☐ 4. 15%

Q.19 The area of three adjacent faces of a cuboidal box is 120 cm^2 , 72 cm^2 and 60 cm^2 , respectively. Find the volume (in cm^3) of the box.

- Ans
- ☐ 1. 425
 - ☒ 2. 720
 - ☐ 3. 864
 - ☐ 4. 650

Q.20 An amount invested fetched a total simple interest of ₹4,050 at the rate of 9% per annum in 5 years. What is the amount invested (in ₹)?

- Ans
- ☐ 1. 9,050
 - ☒ 2. 9,000
 - ☐ 3. 8,300
 - ☐ 4. 7,500

Q.21 The value of $\frac{5+7 \times 5 \div 8 \text{ of } 5+3 \div 3 \times 5}{6 \div 6 \text{ of } 4+9 \times 9 \div 3 \times 2 \times 2}$ is:

- Ans
- ☒ 1. $\frac{87}{866}$
 - ☐ 2. $\frac{67}{859}$
 - ☐ 3. $\frac{97}{881}$
 - ☐ 4. $\frac{77}{861}$

Q.22 In a ΔABC , $AB = AC$ and the perpendicular distance of the point A from BC is 10 units. If the perimeter of the triangle is 2.5 times the side AB, then the area of the triangle is ____ square units.

- Ans
- ☐ 1. $\frac{100}{\sqrt{6}}$
 - ☒ 2. $\frac{100}{\sqrt{15}}$
 - ☐ 3. $\frac{100}{\sqrt{5}}$
 - ☐ 4. $\frac{100}{\sqrt{3}}$

Q.23 If the value increases from 250 to 325, then what is the per cent increase?

- Ans
- ☒ 1. 30%
 - ☐ 2. 12%
 - ☐ 3. 15%
 - ☐ 4. 23%

Q.24 The number 701338 is divisible by which of the following numbers?

- Ans
- ☐ 1. 3
 - ☐ 2. 9
 - ☒ 3. 11
 - ☐ 4. 4

Q.25 A tangent is drawn from a point at a distance of 25cm from the Centre of a circle $C(0, r)$ of radius 7cm. The length of the tangent is _____ cm.

- Ans
- ☐ 1. 16
 - ☒ 2. 24
 - ☐ 3. 8
 - ☐ 4. 20

Section : **General Awareness**

Q.1 What was the name of the campaign led by the Ali brothers and Maulana Abul Kalam Azad to save the Ottoman Caliphate as a symbol of unity among the Muslim community?

- Ans
- ☒ 1. Khilafat Movement
 - ☐ 2. Ahmadiya Movement
 - ☐ 3. Faraizi Movement
 - ☐ 4. Wahabi Movement

Q.2 Which Excel feature allows you to simultaneously edit the same cell or range of cells with multiple users in real-time?

- Ans
- ☒ 1. co-authoring
 - ☐ 2. Track Changes
 - ☐ 3. Data Validation
 - ☐ 4. Conditional Formatting

Q.3 In Cricket, the bowler does NOT get credit for _____.

- Ans
- ☐ 1. catch
 - ☒ 2. run out
 - ☐ 3. LBW
 - ☐ 4. bowled

Q.4 Article 15 of the Constitution of India entails:

- Ans
- ☐ 1. freedom of speech and expression
 - ☐ 2. cultural and educational rights
 - ☐ 3. equality of opportunity for all citizens in matters relating to employment or appointment
 - ☒ 4. prohibition of discrimination against any citizen on grounds only of religion, race, caste, sex or place of birth

Q.5 Which of the following is a food-borne disease caused by the consumption of contaminated food or beverages?

- Ans
- ☐ 1. Tuberculosis
 - ☐ 2. Malaria
 - ☒ 3. Cholera
 - ☐ 4. Chicken pox

Q.6 The Wild Life (Protection) Amendment Act, 2022 received the assent of the President on _____.

- Ans
- ☒ 1. 19 December 2022
 - ☐ 2. 17 December 2022
 - ☐ 3. 14 December 2022
 - ☐ 4. 10 December 2022

Q.7 Which of the following airports is being built as India's first 'carbon-neutral airport'?

- Ans
- ☐ 1. Kangra airport
 - ☒ 2. Leh airport
 - ☐ 3. Jammu airport
 - ☐ 4. Srinagar airport

Q.8	Manipur's _____ tribe celebrates the 'Gaan-Ngai' festival, which is a post-harvest festival of the tribe living in the regions of Manipur.
Ans	 1. Gangte  2. Inpui  3. Chothe  4. Zeliangrong
Q.9	In the year 2021, which of the following ministries published the amended rules related to Corporate Social Responsibility (CSR)?
Ans	 1. Ministry of Corporate Affairs  2. Ministry of New and Renewable Energy  3. Ministry of Science and Technology  4. Ministry of Home Affairs
Q.10	In which year was the Board of Control for Cricket in India (BCCI) formed?
Ans	 1. 1931  2. 1914  3. 1947  4. 1928
Q.11	The approach driven by seven engines, which is powered by Clean Energy and 'Sabka Prayas' is related to which scheme?
Ans	 1. Pradhan Mantri Mudra Yojana  2. Garib Kalyan Rojgar Abhiyan  3. Aatmanirbhar Bharat Rojgar Yojana  4. PM Gati Shakti Master Plan
Q.12	Which key can be pressed to initiate a slide show in MS PowerPoint?
Ans	 1. Function key F2  2. Function key F4  3. Function key F5  4. Function key F8
Q.13	The Chilika Lake is located to the south of the _____ delta.
Ans	 1. Godavari  2. Mahanadi  3. Narmada  4. Cauvery
Q.14	Who among the following confirmed Maxwell's theories with the discovery of radio waves and also became the first person to transmit and receive controlled radio waves in 1886?
Ans	 1. Michael Faraday  2. Heinrich Hertz  3. William Hopkins  4. Guglielmo Marconi
Q.15	Which of the following Fundamental Rights has been deleted from the original list of fundamental rights provided in the Constitution of India?
Ans	 1. Cultural and educational rights  2. Right to freedom of religion  3. Right to property  4. Right to constitutional remedies

Q.16 Calculate personal income (in ₹ crore) from the given data.

Particulars	₹ (in crore)
Private income	1800
Net retained earnings of private enterprises	500
Corporation tax	250

- Ans
- ☐ 1. 950
 - ☒ 2. 2050
 - ☐ 3. 1100
 - ☐ 4. 1000

Q.17 Bilhan was a court poet in which of the following kingdoms?

- Ans
- ☐ 1. Kulottunga I
 - ☒ 2. Vikramaditya VI
 - ☐ 3. Vijayaditya VII
 - ☐ 4. Rajaraja II

Q.18 What is 'Padam' in Carnatic Music?

- Ans
- ☐ 1. A poem about courage
 - ☐ 2. A lullaby
 - ☐ 3. A patriotic poem
 - ☒ 4. A love poem

Q.19 Which of the following food grains highly benefited from the Green Revolution?

- Ans
- ☐ 1. Millet
 - ☐ 2. Barley
 - ☒ 3. Wheat
 - ☐ 4. Maize

Q.20 In which country do Kachin, Karen, Karenni, Chin and Mon ethnic groups belong?

- Ans
- ☐ 1. Afghanistan
 - ☐ 2. Nepal
 - ☐ 3. Sri Lanka
 - ☒ 4. Myanmar

Q.21 Match the pair correctly:

National Waterways

- a) NW-1
- b) Nw-2
- c) NW-3
- d) NW-5

Stretch

- 1. Kakinada-Puducherry
- 2. Kottapuram- Kallam
- 3. Allahabad - Haldia
- 4. Sadiya- Dhubri
- 5. Talchar–Dhamra

- Ans
- ☐ 1. a-2, b-5, c-3, d-1
 - ☐ 2. a-4, b-3, c-5, d- 1
 - ☐ 3. a-1, b-2, c-4, d-5
 - ☒ 4. a-3, b-4, c-2, d-5

Q.22 A flat ring of small, icy bodies that revolve around the sun beyond the orbit of the planet Neptune is called:

- Ans**
-  1. Oort Cloud
 -  2. Asteroid Belt
 -  3. Bow Shock
 -  4. Kuiper Belt

Q.23 Who was the first Indian wrestler to win a world championship medal?

- Ans**
-  1. Udey Chand
 -  2. Malwa Singh
 -  3. Dara Singh
 -  4. KD Jadhav

Q.24 Mohiniyattam is a classical dance form of:

- Ans**
-  1. Kerala
 -  2. Tamil Nadu
 -  3. Assam
 -  4. Tripura

Q.25 Which statement about Syama Sastri is correct?

- Ans**
-  1. He is one among the trinity of Carnatic Music.
 -  2. His signature name was Guruguha.
 -  3. A crater on planet mercury is named after him.
 -  4. His famous composition is Pancharatna Kritis.

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	09/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

Section : English Language

Q.1 Select the option that will improve the given sentence by using the most appropriate verb.
Alexa have being working as a teacher for five years now.

- Ans**
- ☒ 1. Alexa has been working as a teacher for five years now.
 - ☐ 2. Alexa has being working as a teacher for five years now.
 - ☐ 3. Alexa is being working as a teacher for five years now.
 - ☐ 4. Alexa was been working as a teacher for five years now.

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
After a while, / she look up / and saw that / it was getting dark.

- Ans**
- ☐ 1. it was getting dark
 - ☐ 2. and saw that
 - ☒ 3. she look up
 - ☐ 4. After a while

Q.3 Parts of the following sentence have been given as options. Select the option that contains an error.
There was an gang of thieves spotted at our local bank, make sure to be careful.

- Ans**
- ☒ 1. There was an gang
 - ☐ 2. make sure to be careful
 - ☐ 3. at our local bank
 - ☐ 4. of thieves spotted

Q.4 The given sentence is divided into four segments. Identify the segment that contains a grammatical error.
A great / culture of hospitality of / the Spanish / is well-known.

- Ans**
- ☐ 1. culture of hospitality of
 - ☒ 2. A great
 - ☐ 3. is well-known.
 - ☐ 4. the Spanish

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.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 5

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

- Ans**
- ☒ 1. cannot
 - ☐ 2. can
 - ☐ 3. do not
 - ☐ 4. hasn't

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.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 6

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

- Ans**
- ☒ 1. the
 - ☐ 2. very
 - ☐ 3. which
 - ☐ 4. a

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.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 7

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

- Ans**
- ☐ 1. the
 - ☒ 2. that
 - ☐ 3. some
 - ☐ 4. all

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.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 8

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

- Ans**
- ☐ 1. in
 - ☐ 2. with
 - ☒ 3. at
 - ☐ 4. for

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.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 9

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

- Ans**
- ☐ 1. starts
 - ☐ 2. started
 - ☒ 3. start
 - ☐ 4. starting

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

- Ans**
- ☒ 1. Laborious
 - ☒ 2. Radiant
 - ☒ 3. Amiable
 - ☒ 4. Luxurious

Q.11 Select the most appropriate **ANTONYM** of the underlined word.
We should not run after transient pleasures of the world.

- Ans**
- ☒ 1. Sinful
 - ☒ 2. Unnatural
 - ☒ 3. Joyful
 - ☒ 4. Permanent

Q.12 Select the most appropriate option to substitute the underlined segment in the given sentence.

Shantanu always buries his head in the sand whenever he explains his professional failures to his father.

- Ans**
- ☒ 1. shows a blind eye against social issues
 - ☒ 2. hides from the truth
 - ☒ 3. escapes from all the difficulties
 - ☒ 4. blames the others for his mistakes

Q.13 Select the most appropriate option to fill in the blank.

The _____ of the whale is 2 tonnes.

- Ans**
- ☒ 1. vet
 - ☒ 2. wait
 - ☒ 3. wet
 - ☒ 4. weight

Q.14 Select the most appropriate option to fill in the blank.

It is the _____ to reach Delhi.

- Ans**
- ☒ 1. quickest route
 - ☒ 2. lowest route
 - ☒ 3. fastest route
 - ☒ 4. strongest route

Q.15 Select the most appropriate synonym of the given word.
Rectify

- Ans**
- ☒ 1. Consider
 - ☒ 2. Connect
 - ☒ 3. Correct
 - ☒ 4. Count

Q.16 Select the option with the correct spelling to replace the underlined word in the given sentence.
A natural clanmity causing huge destruction and loss of life and property.

- Ans**
- ☒ 1. clamanity
 - ☒ 2. calamitey
 - ☒ 3. calamity
 - ☒ 4. climanity

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Things that do not come from the ground not safe to compost.

- Ans**
- ☒ 1. has not been safe
 - ☒ 2. be not safe
 - ☒ 3. are not safe
 - ☒ 4. is not safe

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

The cat's entry into the store room was _____.

- Ans**
- ☒ 1. quiet
 - ☐ 2. quit
 - ☐ 3. cute
 - ☐ 4. quite

Q.19 Select the **INCORRECTLY** spelt word in the given sentence.

King Zheng is known to lead an army of a million armoured soldiers, a thousand chariots and ten thousand horses in his mission to conquer the neighbouring kingdoms.

- Ans**
- ☐ 1. Thousand
 - ☐ 2. Kingdoms
 - ☒ 3. Mission
 - ☐ 4. Chariots

Q.20 Fill in the blank with the most appropriate **ANTONYM** of the underlined word.

In spring the leaves are bright green, whereas they appear _____ in autumn.

- Ans**
- ☐ 1. gleaming
 - ☒ 2. dull
 - ☐ 3. luminous
 - ☐ 4. dazzling

Q.21 Identify the most appropriate **ANTONYM** of the underlined word in the following sentence.

Harry's behaviour was very blunt during his school days.

- Ans**
- ☐ 1. Curious
 - ☐ 2. Excited
 - ☒ 3. Polite
 - ☐ 4. Dull

Q.22 Select the most appropriate meaning of the underlined idiom in the given sentence.

He got medals time after time by following the instructions of his mentor.

- Ans**
- ☐ 1. Rarely
 - ☐ 2. Once
 - ☒ 3. Repeatedly
 - ☐ 4. Twice

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 quietly went out at the door into the veranda.

- Ans**
- ☒ 1. through
 - ☐ 2. from
 - ☐ 3. by
 - ☐ 4. No substitution required

Q.24 Select the most appropriate option that can substitute the underlined word in the given sentence.

Modest stores and welcoming residents populated the charming tiny town.

- Ans**
- ☐ 1. hideous
 - ☐ 2. unpleasant
 - ☒ 3. delightful
 - ☐ 4. nasty

Q.25 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Grasslands should not be foraged and some places are to be closed for grazing.

- Ans
- ☐ 1. cut and few areas
 - ☐ 2. grazed and some places is
 - ☐ 3. planted or
 - ☒ 4. over-grazed and some areas should be

Section : **General Intelligence**

Q.1 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 sweaters are jackets.

Some jackets are pullovers.

No pullover is a glove.

Conclusions:

(I) No jacket is a glove.

(II) Some sweaters are pullovers.

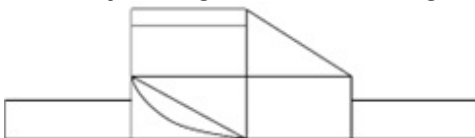
- Ans
- ☐ 1. Only conclusion II follows
 - ☐ 2. Only conclusion I follows
 - ☐ 3. Both conclusions I and II follow
 - ☒ 4. None of the conclusions follow

Q.2 Six letters A, R, T, W, Y and Z are written on different faces of a dice. Two positions of this dice are shown in the figure. Which is the letter on the face opposite to the face containing A?



- Ans
- ☐ 1. R
 - ☒ 2. Y
 - ☐ 3. W
 - ☐ 4. Z

Q.3 How many rectangles are there in the given figure?



- Ans
- ☐ 1. 8
 - ☒ 2. 10
 - ☐ 3. 11
 - ☐ 4. 9

Q.4 Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☐ 1. HJL
 - ☐ 2. RTV
 - ☒ 3. TVY
 - ☐ 4. PRT

Q.5 In a certain code language, 'BACK' is coded as '4162' and 'CAB' is coded as '214'. What is the code for 'K' in that language?

- Ans
- ✓ 1. 6
 - ✗ 2. 1
 - ✗ 3. 2
 - ✗ 4. 4

Q.6 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.7 33 is related to 726 by certain logic. Following the same logic, 43 is related to 946. To which of the following is 53 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. 980
 - ✗ 2. 1060
 - ✓ 3. 1166
 - ✗ 4. 846

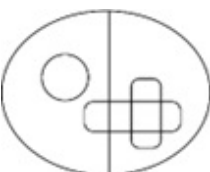
Q.8 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



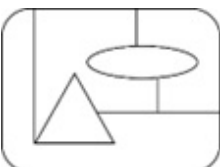
(X)

Ans

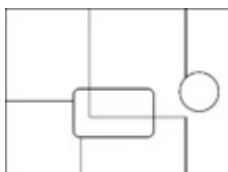
✗ 1.



✗ 2.



✓ 3.



✗ 4.



Q.9 'T + W' means 'T is the father of W'
'T - W' means 'T is the wife of W'
'T × W' means 'T is the brother of W'
'T ÷ W' means 'T is the daughter of W'.
What does 'S + T ÷ U' mean?

Ans

✗ 1. S is the brother of U

✓ 2. S is the husband of U

✗ 3. S is the son of U

✗ 4. S is the uncle of U

Q.10 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.)
Referee : Field

Ans

✗ 1. Experimenter : Result

✗ 2. Gladiator : Ring

✗ 3. Arbitrator : Deadlock

✓ 4. Judge : Courtroom

Q.11 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

RPM, USP, XVS, AYV, ?

Ans

✓ 1. DBY

✗ 2. BYD

✗ 3. DYB

✗ 4. BDY

Q.12 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$15 \div 4 - 128 + 123 \times 3 = ?$$

Ans

✗ 1. 167

✗ 2. 127

✓ 3. 147

✗ 4. 187

Q.13 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.)
 (6, 12, 72)
 (8, 16, 96)

- Ans**
- ☒ 1. (12, 24, 140)
 - ☒ 2. (7, 28, 144)
 - ☒ 3. (11, 24, 144)
 - ☒ 4. (12, 24, 144)

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

$\begin{array}{c} 4 \\ \times 8 \\ 2 \end{array}$	$\begin{array}{c} 6 \\ \times 24 \\ 4 \end{array}$	$\begin{array}{c} 8 \\ \times 48 \\ 6 \end{array}$	$\begin{array}{c} 10 \\ \times 80 \\ 8 \end{array}$	?
---	--	--	---	---

Ans

☒ 1. $\begin{array}{c} 12 \\ \times 2 \\ 10 \end{array}$

☒ 2. $\begin{array}{c} 14 \\ \times 140 \\ 10 \end{array}$

☒ 3. $\begin{array}{c} 12 \\ \times 120 \\ 10 \end{array}$

☒ 4. $\begin{array}{c} 12 \\ \times 22 \\ 10 \end{array}$

Q.15 In a certain code language, 'time and again' is coded as 'zx df mo' and 'value your time' is coded as 'df pn tv'. How is 'time' coded in the given language?

- Ans**
- ☒ 1. zx
 - ☒ 2. mo
 - ☒ 3. df
 - ☒ 4. tv

Q.16 DFIK is related to EGJL in a certain way based on the English alphabetical order. In the same way, GILN is related to HJMO. To which of the following is MORT related to, following the same logic?

- Ans
- ☐ 1. NPVS
 - ☐ 2. NQSU
 - ☐ 3. NPSV
 - ☒ 4. NPSU

Q.17 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.

M
|
k h P e 3 A z
|
N

- Ans
- ☐ 1. z A 3 e P h k
 - ☐ 2. z A 3 e P h k
 - ☒ 3. z A 3 e P h k
 - ☐ 4. z 3 A e P h k

Q.18 Which of the following numbers will replace the question mark (?) in the given series?
112 113 122 147 196 ?

- Ans
- ☐ 1. 253
 - ☐ 2. 294
 - ☒ 3. 277
 - ☐ 4. 282

Q.19 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

W P Q J K 2 G E

M ————— N

- Ans
- ☐ 1. E 3 K J Q P W
 - ☐ 2. W b σ j K 2 e E
 - ☐ 3. W d σ j K 5 e E
 - ☒ 4. W b σ j K 5 e E

Q.20 What should come in place of the question mark (?) in the given series?

3, 7, 15, 31, 63, ?

- Ans
- ☐ 1. 126
 - ☐ 2. 125
 - ☒ 3. 127
 - ☐ 4. 128

Q.21 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
CEG, FHJ, IKM, LNP, ?

- Ans
- ☐ 1. QRS
 - ☐ 2. QTV
 - ☒ 3. OQS
 - ☐ 4. OQR

Q.22 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$16 \div 5 - 24 \times 6 + 3 = ?$$

- Ans
- ☒ 1. 81
 - ☐ 2. 85
 - ☐ 3. 80
 - ☐ 4. 82

Q.23 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$14 - 15 \div 2 + 56 \times 14 = ?$$

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

Q.24 If 10 days before was a Sunday and 6 days after would be a Tuesday, then what day is it today?

- Ans
- ☒ 1. Wednesday
 - ☐ 2. Friday
 - ☐ 3. Monday
 - ☐ 4. Tuesday

Q.25 The position of how many letters will remain unchanged if each of the letters in the word WANDERLUST is arranged from left to right in alphabetical order?

- Ans
- ☐ 1. None
 - ☐ 2. Three
 - ☐ 3. Two
 - ☒ 4. One

Section : Quantitative Aptitude

Q.1 The given table shows the percentage of marks obtained by 5 students in different subjects. Study the table and answer the question that follows. (Maximum marks are given beside subject).

Subjects →	Physics	Maths	Music	Hindi	Botany
Students↓	300	300	100	100	200
Ram	60	80	90	60	95
Shyam	90	70	80	70	40
Sohan	70	90	95	80	75
Mohan	80	60	70	95	80
Karn	90	50	85	85	80

The marks obtained by Ram in Botany are less/more than Karn's marks in Botany by how much?

- Ans
- ☐ 1. 25 more
 - ☐ 2. 25 less
 - ☒ 3. 30 more
 - ☐ 4. 30 less

Q.2 Simplify the following expression.

$$11\frac{1}{4} \div 3\frac{3}{5} \times 6\frac{2}{3} + \frac{1}{6} = \underline{\hspace{2cm}}.$$

- Ans
- ☒ 1. 21
 - ☐ 2. 19
 - ☐ 3. 25
 - ☐ 4. 23

Q.3 After decreasing 30%, an article costs Rs.3,500. Find its actual cost.

- Ans
- ☒ 1. Rs.5,000
 - ☐ 2. Rs.5,500
 - ☐ 3. Rs.6,500
 - ☐ 4. Rs.4,500

Q.4 The speed of a thief is $\frac{4}{5}$ times the speed of a policeman. The thief covers a distance of 6 km before he was caught by the policeman in 30 minutes. Initially, what was the distance between the policeman and the thief in km?

- Ans
- ☒ 1. 1.5
 - ☐ 2. 1.2
 - ☐ 3. 0.8
 - ☐ 4. 1.0

Q.5 If three sides of a triangle are 6 cm, 8 cm and 10 cm, then the area of the triangle is:

- Ans
- ☐ 1. $12\sqrt{3}\text{ cm}^2$
 - ☒ 2. 24 cm^2
 - ☐ 3. $24\sqrt{3}\text{ cm}^2$
 - ☐ 4. 30 cm^2

Q.6 What will be the amount due on ₹36,000 in 2 years when the rate of simple interest for successive years is 8% and 6%, respectively?

- Ans
- ☐ 1. ₹40,320
 - ☐ 2. ₹41,760
 - ☐ 3. ₹38,880
 - ☒ 4. ₹41,040

Q.7 A metallic sphere of volume $3136\pi\text{ cm}^3$ is melted and then, recast into smaller cones, each of radius 3.5 cm and height 4 cm. How many cones are obtained?

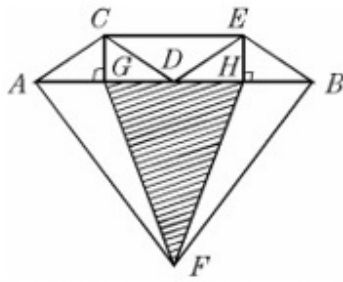
- Ans
- ☐ 1. 196
 - ☒ 2. 192
 - ☐ 3. 172
 - ☐ 4. 148

Q.8 What is the maximum value of $7\cos A + 24\sin A + 32$?

- Ans
- ☐ 1. 39
 - ☒ 2. 57
 - ☐ 3. 32
 - ☐ 4. 25

Q.9

In the diagram, if $\overline{AB} \parallel \overline{CE}$, $AG = GD = DH = HB$, then which of the following is correct?



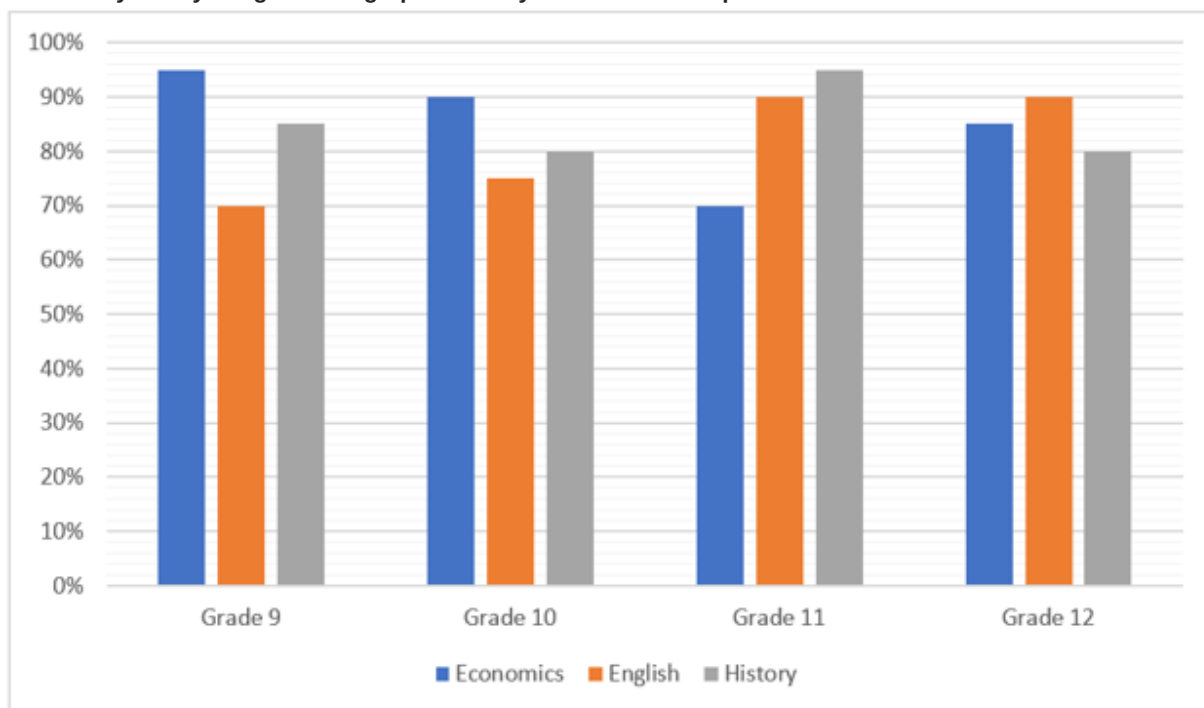
I) $\triangle ACG \cong \triangle BEH$ II) $\triangle CDE \cong \triangle DEB \cong \triangle DCA$ III) $\triangle HFB \cong \triangle AFG$

- Ans
- ☒ 1. I, II and III
 - ☒ 2. I and III
 - ☒ 3. I and II
 - ☒ 4. Only I

Q.10 The lengths of the three sides of a triangle are 19 cm, 25 cm and y cm. Which of the following options most accurately gives the possible values of ' y '?

- Ans
- ☒ 1. $6 < y \leq 44$
 - ☒ 2. $6 < y < 44$
 - ☒ 3. $6 \leq y \leq 44$
 - ☒ 4. $6 \leq y < 44$

Q.11 The following bar graph represents the percentage marks obtained in grade 9, 10, 11 and 12 students in Economics, English and History. Study the given bar graph carefully and answer the question that follows.



If the full marks in Economics is 100, English is 80 and History is 50, then find the total marks obtained by grade 10 students.

- Ans
- ☒ 1. 190
 - ☒ 2. 220
 - ☒ 3. 200
 - ☒ 4. 245

Q.12 The strength of a school is 640, with the number of boys being 400. Find the ratio of girls to boys.

- Ans
- ☐ 1. 5 : 6
 - ☐ 2. 4 : 5
 - ☒ 3. 3 : 5
 - ☐ 4. 8 : 5

Q.13 Simplify

$$\left[6 - 2 \left\{ 3 - 4 \left(4 \div \frac{1}{4} - 1 \right) + 2 \div \frac{1}{3} \right\} - 3 \times 2 \right]$$

- Ans
- ☐ 1. 96
 - ☐ 2. 98
 - ☐ 3. 92
 - ☒ 4. 102

Q.14 If 20% of 35% of a number is 240.8, then 18% of that number (rounded off to 1 decimal place) is:

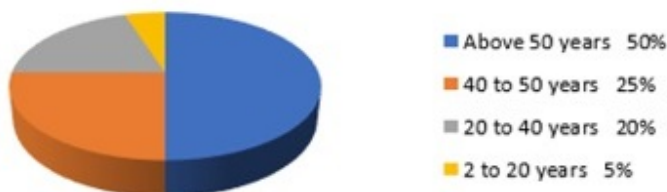
- Ans
- ☐ 1. 623.2
 - ☒ 2. 619.2
 - ☐ 3. 621.2
 - ☐ 4. 618.2

Q.15 Study the given pie charts and answer the question that follows.

Distribution of overseas tourists



Age of tourists



If A = percentage of tourists who went to Agra, Amritsar and Kashi, and B = percentage of tourists whose age lies between 2 years to 50 years, then what is A:B?

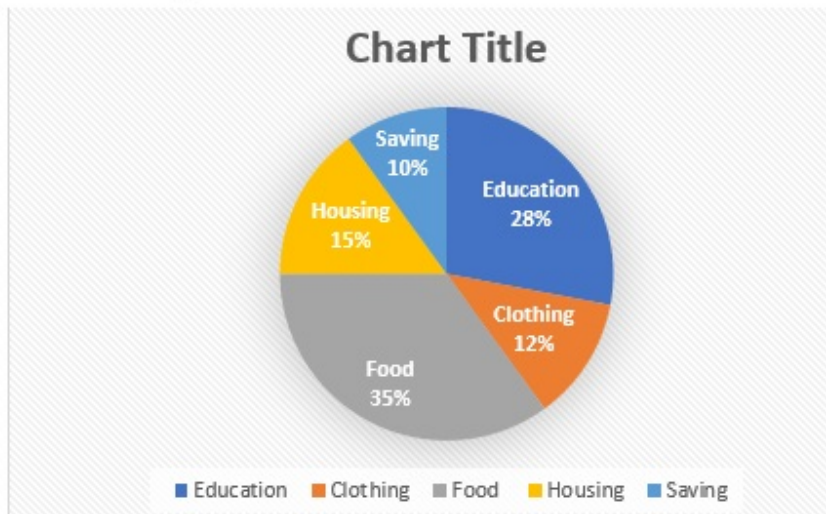
- Ans
- ☐ 1. 10:7
 - ☐ 2. 11:13
 - ☒ 3. 13:10
 - ☐ 4. 10:13

Q.16 A can finish a piece of work by working alone in 4 days. B, while working alone, can finish the same work in 12 days. If both of them work together, then in how many days will the work be completed?

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

Q.17 Study the given pie-chart and answer the question that follows.

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



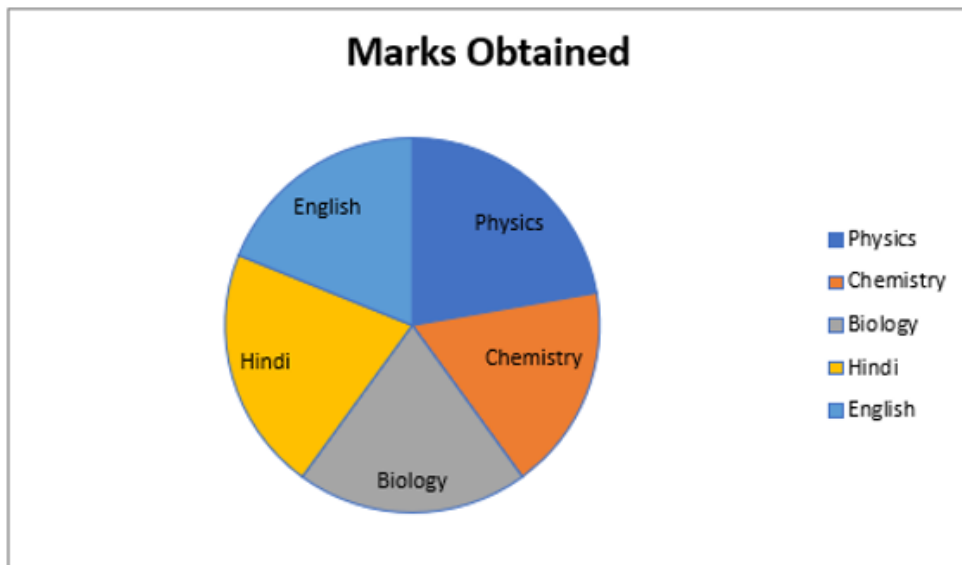
If the total expenditure on education is ₹23,520, then what is the expenditure on clothing (in ₹)?

- Ans
- ☒ 1. 12300
 - ☒ 2. 11000
 - ☒ 3. 10080
 - ☒ 4. 10000

Q.18 In a class with a certain number of students, if one student weighing 30 kg is added, then the average weight of the class increases by 1 kg. If one more student weighing 30 kg is added, then the average weight of the class increases by 1.5 kg over the original average. What is the original average weight (in kg) of the class?

- Ans
- ☒ 1. 27
 - ☒ 2. 26.5
 - ☒ 3. 24
 - ☒ 4. 25.5

- Q.19 Study the following pie-chart carefully and answer the given question. The pie-chart represents the marks obtained by Sanya in different subjects in class 12. Total marks scored by her in class 12 was 450.



If the total central angles corresponding to the pair of subjects (Physics and Hindi), (Chemistry and Physics) and (Hindi and Chemistry) were 156° , 144° and 140° , respectively, then find the total marks obtained by her in (English and Biology).

- Ans
- ☒ 1. 160
 - ☒ 2. 180
 - ☒ 3. 190
 - ☒ 4. 175

- Q.20 By selling 22 items, Rohit gains the selling price of 6 items. His gain per cent is:

- Ans
- ☒ 1. $33\frac{1}{3}\%$
 - ☒ 2. $37\frac{1}{2}\%$
 - ☒ 3. $33\frac{1}{2}\%$
 - ☒ 4. $37\frac{1}{3}\%$

- Q.21 A shopkeeper sells an item at 20% discount on the marked price and earns a profit of 90%. If he sells the same item at 40% discount, then his new profit percentage will be:

- Ans
- ☒ 1. 41.8%
 - ☒ 2. 48.2%
 - ☒ 3. 42.5%
 - ☒ 4. 45.8%

- Q.22 In a circle with center O, the diameter AB extended to the point C, outside the circle. CD is a tangent at the point D on the circle. If the radius of circle is 6 cm and $\angle DBC = 120^\circ$, then the length of CD is equal to:

- Ans
- ☒ 1. $4\sqrt{3}$ cm
 - ☒ 2. $3\sqrt{3}$ cm
 - ☒ 3. $5\sqrt{3}$ cm
 - ☒ 4. $6\sqrt{3}$ cm

Q.23 The price of an electronic watch is first reduced by 25% and then increased by 50%. If the resulting price of the electronic watch is ₹7,650, then what was its original price (in ₹)?

- Ans**
- ☒ 1. 6,800
 - ☐ 2. 6,600
 - ☐ 3. 6,500
 - ☐ 4. 6,900

Q.24 Find the number of paper balls, each 2 cm in diameter, that can be made from a sphere of diameter 18 cm.

- Ans**
- ☒ 1. 729
 - ☐ 2. 625
 - ☐ 3. 1020
 - ☐ 4. 484

Q.25 By decreasing 17° from each angle of a triangle, the ratio of their angles is 3 : 4 : 7. The radian measure of the greatest angle is:

- Ans**
- ☐ 1. $\frac{163\pi}{180}$
 - ☐ 2. $\frac{167\pi}{180}$
 - ☐ 3. $\frac{153\pi}{360}$
 - ☒ 4. $\frac{163\pi}{360}$

Section : **General Awareness**

Q.1 Aajeevika - National Rural Livelihoods Mission (NRLM) - was launched by the Ministry of Rural Development (MoRD), Government of India, in the year _____.

- Ans**
- ☐ 1. 2013
 - ☒ 2. 2011
 - ☐ 3. 2012
 - ☐ 4. 2010

Q.2 Intervention by the monetary authority of a country in the money market to keep money supply stable against exogenous or sometimes external shocks is called _____.

- Ans**
- ☐ 1. conservation
 - ☐ 2. capitalisation
 - ☒ 3. sterilisation
 - ☐ 4. neutralisation

Q.3 The cell wall of bacteria is made up of:

- Ans**
- ☐ 1. peptone
 - ☒ 2. peptidoglycan
 - ☐ 3. glycogen
 - ☐ 4. cellulose

Q.4 In PPT What method can be used to move among slides if your hands are already on the keyboard?

- Ans**
- ☐ 1. Scrolling with the mouse wheel
 - ☐ 2. Clicking on the slide thumbnail in the Slides tab
 - ☐ 3. Pressing the Esc key to exit the presentation
 - ☒ 4. Using the keyboard directional keys

Q.5 Which of the following date is observed as a national festival?

- Ans
- ☐ 1. 25 October
 - ☐ 2. 10 October
 - ☒ 3. 2 October
 - ☐ 4. 24 October

Q.6 In 1955, _____ noted the possibility of using small-scale industries for promoting rural development.

- Ans
- ☐ 1. Sarkaria Committee
 - ☐ 2. Kelkar Committee
 - ☐ 3. Chakravarty Committee
 - ☒ 4. Karve Committee

Q.7 In a test match, the captain of the fielding side may demand a new ball after _____.

- Ans
- ☐ 1. 85 overs
 - ☒ 2. 80 overs
 - ☐ 3. 70 overs
 - ☐ 4. 75 overs

Q.8 Jharkhand and Chhattisgarh states are rich with _____ material deposits.

- Ans
- ☐ 1. petroleum
 - ☐ 2. gold
 - ☐ 3. silicon
 - ☒ 4. coal

Q.9 What kind of a satellite is CMS-01, that was launched by ISRO in December 2020?

- Ans
- ☒ 1. Communication
 - ☐ 2. Resource management
 - ☐ 3. Navigation
 - ☐ 4. Tsunami observation

Q.10 What was the name of the person who has been elected as the Chair of the 62nd session of the United Nations Commission for Social Development?

- Ans
- ☐ 1. BM Vinod Kumar
 - ☒ 2. Ruchira Kamboj
 - ☐ 3. Satinder Kumar Lambah
 - ☐ 4. Nirupama Menon Rao

Q.11 Shattantri Veena, meaning a Veena with hundred strings, is the ancient Sanskrit name of which instrument?

- Ans
- ☐ 1. Sarangi
 - ☒ 2. Santoor
 - ☐ 3. Tambura/Tanpura
 - ☐ 4. Sarod

Q.12 Which of the following is NOT an Olympics Sport? (As of March, 2023)

- Ans
- ☐ 1. Rowing
 - ☐ 2. 3×3 Basketball
 - ☒ 3. Cricket
 - ☐ 4. Sailing

Q.13 The Big Dipper is an asterism formed by the seven brightest stars in the constellation:

- Ans**
- ☐ 1. Leo Major
 - ☐ 2. Cassiopeia
 - ☐ 3. Orion
 - ☒ 4. Ursa Major

Q.14 Which party won the Jalandhar (a city in Punjab) Lok Sabha bypoll election held in May 2023?

- Ans**
- ☐ 1. Indian National Congress
 - ☐ 2. Bharatiya Janata Party
 - ☒ 3. Aam Aadmi Party
 - ☐ 4. Akali Dal

Q.15 Who amongst the following Mughal emperors got classical Hindu mythological texts Ramayana and Mahabharata translated into Persian?

- Ans**
- ☒ 1. Akbar
 - ☐ 2. Jahangir
 - ☐ 3. Aurangzeb
 - ☐ 4. Shahjahan

Q.16 Rouf is the traditional dance of _____, which is practiced on the festive occasions of Eid and during Ramzan days.

- Ans**
- ☐ 1. Chandigarh
 - ☒ 2. Jammu & Kashmir
 - ☐ 3. Puducherry
 - ☐ 4. Leh

Q.17 Milk of magnesia is a suspension of _____ in water.

- Ans**
- ☐ 1. magnesium oxalate
 - ☒ 2. magnesium hydroxide
 - ☐ 3. magnesium chlorate
 - ☐ 4. magnesium bromide

Q.18 The Union Cabinet, in Aug 2022, approved the enhancement in the limit of Emergency Credit Line Guarantee Scheme (ECLGS) by _____, with the additional amount being earmarked exclusively for enterprises in hospitality and related sectors.

- Ans**
- ☐ 1. ₹60,000 crore
 - ☐ 2. ₹30,000 crore
 - ☐ 3. ₹10,000 crore
 - ☒ 4. ₹50,000 crore

Q.19 Baiga is a folk music of Baiga Tribe from which of the following states?

- Ans**
- ☐ 1. Bihar
 - ☐ 2. Uttarakhand
 - ☒ 3. Madhya Pradesh
 - ☐ 4. Assam

Q.20 According to rules laid down by the International Football Association Board (IFAB), what can be the maximum length of a goal line in football?

- Ans**
- ☐ 1. 50 m
 - ☐ 2. 100 m
 - ☒ 3. 90 m
 - ☐ 4. 40 m

Q.21 Which of the following Articles of the Indian Constitution are related to Fundamental Rights?

- Ans**
- ☐ 1. 32-51
 - ☐ 2. 12-36
 - ☐ 3. 14-32
 - ☒ 4. 12-35

Q.22 According to Census 2011, India's population accounts _____ of the world's population.

- Ans**
- ☐ 1. 10%
 - ☐ 2. 20%
 - ☒ 3. 17.5%
 - ☐ 4. 15%

Q.23 Warren Hastings became the Governor-General of Bengal from Governor of Bengal after the passing of which of the following Acts?

- Ans**
- ☐ 1. Indian Council Act of 1861
 - ☐ 2. Pitt's India Act, 1784
 - ☒ 3. Regulating Act, 1773
 - ☐ 4. Charter Act, 1813

Q.24 Fundamental duties were introduced in Part IVA of the Constitution by the:

- Ans**
- ☐ 1. Forty-third Amendment Act, 1977
 - ☒ 2. Forty-second Amendment Act, 1976
 - ☐ 3. Forty-fourth Amendment Act, 1978
 - ☐ 4. Forty-first Amendment Act, 1976

Q.25 How does the CPU distinguish between each memory cell?

- Ans**
- ☐ 1. By its data item
 - ☐ 2. By its byte size
 - ☒ 3. By its address
 - ☐ 4. By its capacity

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	10/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I VH

Section : English Language

Q.1 The following sentence has been divided into four parts. Identify the part that contains an error.
(A) It is sad / (B) that you / (C) are believing / (D) in superstitious rituals.

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

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

In order to connect / these themes to a wider / historical context, Rahul go / beyond aesthetic analysis.

- Ans**
- ☒ 1. these themes to a wider
 - ☒ 2. beyond aesthetic analysis
 - ☒ 3. historical context, Rahul go
 - ☒ 4. In order to connect

Q.3 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.

After your insistence, / my sister / checked / a mailbox again.

- Ans**
- ☒ 1. a mailbox again.
 - ☒ 2. After your insistence,
 - ☒ 3. checked
 - ☒ 4. my sister

Q.4 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
Since childhood, Monty / ate his food / fast and he / will not change.

- Ans**
- ☒ 1. Since childhood, Monty
 - ☒ 2. fast and he
 - ☒ 3. ate his food
 - ☒ 4. will not change

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.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 5

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

- Ans**
- ☒ 1. frustrating
 - ☒ 2. exciting
 - ☒ 3. interesting
 - ☒ 4. surprising

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.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 6

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

- Ans**
- ☒ 1. wandering
 - ☐ 2. interesting
 - ☐ 3. tiring
 - ☐ 4. worrying

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.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 7

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

- Ans**
- ☒ 1. enhance
 - ☐ 2. commit
 - ☐ 3. discover
 - ☐ 4. convince

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.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 8

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

- Ans**
- ☒ 1. attempt
 - ☐ 2. imagine
 - ☐ 3. announce
 - ☐ 4. lead

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.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 9

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

- Ans**
- ☒ 1. focussed
 - ☐ 2. joyful
 - ☐ 3. cautious
 - ☐ 4. dazzling

Q.10 Select the most appropriate ANTONYM of the given word.
Powerful

- Ans**
- ☒ 1. Impotent
 - ☐ 2. Strong
 - ☐ 3. Manly
 - ☐ 4. Wild

Q.11 Select the most appropriate option that can substitute the underlined words in the given sentence.
This newly arisen evidence could have proved to finally put the culprit behind bars.

- Ans**
- ☐ 1. could have been proven
 - ☐ 2. can proof
 - ☐ 3. can be proven
 - ☒ 4. is proof

Q.12 Select the INCORRECTLY spelt word.

- Ans**
- ☒ 1. Definate
 - ☐ 2. Appraisal
 - ☐ 3. Genuine
 - ☐ 4. Stretch

Q.13 Select the most appropriate synonym of the underlined word.

The removal of petty restrictions has made life easier.

- Ans**
- ☐ 1. Consequential
 - ☐ 2. Large
 - ☒ 3. Small
 - ☐ 4. Big

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

Innovate

- Ans**
- ☐ 1. Solve
 - ☒ 2. Copy
 - ☐ 3. Finance
 - ☐ 4. Invent

Q.15 Select the most appropriate option to fill in the blank.

Seema has a dominating nature, so she wants to _____ of everything in her life.

- Ans**
- ☐ 1. keep calm
 - ☐ 2. keep touch
 - ☒ 3. keep control
 - ☐ 4. keep record

Q.16 Select the most appropriate option that can substitute the underlined word in the following sentence.
They studied during three hours.

- Ans**
- ☒ 1. for
 - ☐ 2. at
 - ☐ 3. from
 - ☐ 4. by

Q.17 Select the most appropriate ANTONYM of the underlined word.
The government is planning to abolish child care leave for female employees.

- Ans**
- ☒ 1. Establish
 - ☐ 2. Eradicate
 - ☐ 3. Encourage
 - ☐ 4. Ensure

Q.18 Select the correct spelling of the underlined word in the given sentence.
She decided to file a complaint with HR after being harrasad by her supervisor for several weeks.

- Ans**
- ☐ 1. harased
 - ☐ 2. harrassd
 - ☒ 3. harassed
 - ☐ 4. harrased

Q.19 Select the most appropriate option that can substitute the underlined segment in the given sentence.
We shall rehearse thrice before the final performance at least we make errors in the dialogues.

- Ans**
- ☒ 1. lest we make errors
 - ☐ 2. can we make errors
 - ☐ 3. but we make errors
 - ☐ 4. for we make errors

Q.20 Select the most appropriate synonym of the given word.
Estimate

- Ans**
- ☐ 1. Verify
 - ☐ 2. Appropriate
 - ☐ 3. Profit
 - ☒ 4. Evaluate

Q.21 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'.

If you give away smoking, your health will improve.

- Ans**
- ☐ 1. No substitution required
 - ☐ 2. give out
 - ☐ 3. give off
 - ☒ 4. give up

Q.22 Select the most appropriate option to fill in the blank.
I am doubtful about his story, though you seem to be _____.

- Ans**
- ☐ 1. uncertain
 - ☒ 2. convinced
 - ☐ 3. regretting
 - ☐ 4. pleasant

Q.23 Select the most appropriate idiom to fill the blank in the given situation.

They were waiting for their family members who were returning from a pilgrimage. Therefore, they were _____ on the platform.

- Ans**
- ☐ 1. rolling up their sleeves
 - ☐ 2. playing a joke
 - ☒ 3. pacing up and down
 - ☐ 4. running behind time

Q.24 Select the most appropriate ANTONYM for the underlined word in the given sentence.
Because the politician made a candid speech, he earned the respect of the voters.

- Ans**
- ☒ 1. Deceitful
 - ☐ 2. Reticent
 - ☐ 3. Prudent
 - ☐ 4. Reckless

Q.25 Select the most appropriate meaning of the underlined idiom in the following sentence.
Manish told Rounak time and again of the ill consequences of his habit of being late to the college.

- Ans**
- ☐ 1. Hardly ever
 - ☐ 2. Not often
 - ☒ 3. Repeatedly
 - ☐ 4. At intervals

Q.1 In a certain code language,
'M & N' means 'M is the wife of N',
'M @ N' means 'M is the brother of N',
'M \$ N' means 'M is the daughter of N',
'M # N' means 'M is the son of N'.
Based on the above, how is Q related to N if 'N # M @ O \$ P & Q'?

- Ans**
- ☐ 1. Mother's father
 - ☐ 2. Father
 - ☒ 3. Father's father
 - ☐ 4. Brother

Q.2 Each of the letters in the word KINGDOM is arranged in alphabetical order. How many letters are there in the English alphabetical series between the letter which is second from the left and the one which is third from the right in the new letter cluster thus formed?

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

Q.3 In a certain code language, 'cooler is hot' is written as 'tp rc dl' and 'hot weather comes' is written as 'rc dn nz'. How is 'hot' written in the given language?

- Ans**
- ☒ 1. rc
 - ☐ 2. nz
 - ☐ 3. dn
 - ☐ 4. dl

Q.4 The position of how many letters will remain unchanged if each of the letters in the word DETAIL is arranged in the alphabetical order?

- Ans**
- ☐ 1. Two
 - ☒ 2. None
 - ☐ 3. Three
 - ☐ 4. One

Q.5 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$204 \times 4 - 9 \div 2 + 6 = ?$$

- Ans**
- ☒ 1. 63
 - ☐ 2. 62
 - ☐ 3. 61
 - ☐ 4. 64

Q.6 In a certain code language, 'PBI' is coded as '27' and 'ZEBRA' is coded as '125'. What is the code for 'BIRD' in the given code language?

- Ans**
- ☐ 1. 25
 - ☒ 2. 64
 - ☐ 3. 49
 - ☐ 4. 37

Q.7 What should come in place of the question mark (?) in the given series?

268, 259, 250, 241, 232, ?

- Ans
- ☒ 1. 223
 - ☐ 2. 220
 - ☐ 3. 224
 - ☐ 4. 221

Q.8 72 is related to 8 following a certain logic. Following the same logic, 198 is related to 22. To which of the following is 351 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. 43
 - ☐ 2. 37
 - ☒ 3. 39
 - ☐ 4. 41

Q.9 The position of how many letters will remain unchanged if each of the letters in the word 'ANXIETY' is arranged in the English alphabetical order?

- Ans
- ☐ 1. One
 - ☒ 2. Two
 - ☐ 3. More than three
 - ☐ 4. Three

Q.10 उस शब्द-युग्म का चयन कीजिए जो नीचे दिए गए शब्दों के युग्म में व्यक्त किए गए समान संबंध का सबसे अच्छा निरूपण करता है। (शब्दों को अर्थपूर्ण हिंदी शब्दों के रूप में माना जाना चाहिए और उन्हें शब्द में अक्षरों की संख्या/व्यंजन/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं किया जाना चाहिए।)

भोर – सूर्योदय

- Ans
- ☐ 1. पुराना – नया
 - ☐ 2. स्पर्श – अंगूठा
 - ☒ 3. आसान – सरल
 - ☐ 4. खुशी – दुःख

Q.11 If 20 March 2011 was Sunday, then what was the day of the week on 20 March 2019?

- Ans
- ☒ 1. Wednesday
 - ☐ 2. Friday
 - ☐ 3. Saturday
 - ☐ 4. Monday

Q.12 Three of the following four letter-clusters are alike in a certain way and thus form a group. Select the letter-cluster that does NOT belong to that group (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

- Ans
- ☐ 1. FJN
 - ☒ 2. LHJ
 - ☐ 3. XBF
 - ☐ 4. QUY

Q.13 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '–', then the resultant of which of the following will be 730?

- Ans
- ☐ 1. 353 D 2 A 91 B 7 C 37
 - ☐ 2. 353 B 2 D 91 C 7 A 37
 - ☒ 3. 353 B 2 D 91 A 7 C 37
 - ☐ 4. 353 B 2 C 91 A 7 D 37

Q.14 Which of the following numbers will replace the question mark (?) in the given series?

43 55 75 106 151 ?

- Ans
- ☐ 1. 206
 - ☐ 2. 225
 - ☐ 3. 191
 - ☒ 4. 213

Q.15 What should come in place of ? in the given series based on the English alphabetical order?

JMP UZE FMT QZI ?

- Ans
- ☐ 1. LNP
 - ☐ 2. XHN
 - ☒ 3. BMX
 - ☐ 4. SLP

Q.16 What should come in place of the question mark (?) in the given series?

111, 106, 101, 96, 91, ?

- Ans
- ☐ 1. 84
 - ☐ 2. 87
 - ☐ 3. 85
 - ☒ 4. 86

Q.17 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.)
(6, 12, 48)
(8, 16, 64)

- Ans
- ☐ 1. (12, 28, 112)
 - ☐ 2. (14, 28, 110)
 - ☒ 3. (14, 28, 112)
 - ☐ 4. (14, 24, 112)

Q.18 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All water is earth.

All earth is fire.

Some fire is air.

Conclusion (I): Some air is earth.

Conclusion (II): Some fire is water.

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

Q.19 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)

Strong : Robust

Ans  1. Knowledge : Ignorance

 2. Kind : Generous

 3. Brave : Fearful

 4. Create : Destroy

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?

82 B 6 D 114 A 2 C 35 = ?

Ans  1. 450

 2. 480

 3. 470

 4. 460

Q.21 What will come in the place of '?' in the following equation if '×' and '−' are interchanged and '÷' and '÷' are interchanged?

$36 + 18 \times 9 \div 13 - 19 = ?$

Ans  1. 240

 2. 246

 3. 280

 4. 234

Q.22 In a certain code language, 'FORWARD' is coded as 'AODFRRW' and 'INCLUDE' is coded as 'UNEICDL'. What is the code for 'KNOCKER' in the given code language?

Ans  1. REKNOKC

 2. KRECKON

 3. KNRKOEK

 4. REKCONK

Q.23 Which of the following letter-clusters will replace the question mark (?) in the given series?

PAZ, REV, TIR, VOL, ?

Ans  1. XUF

 2. XVG

 3. XVF

 4. XUE

Q.24 What should come in place of the question mark (?) in the given series?

13, 17, 26, ?, 67, 103, 152

Ans  1. 42

 2. 33

 3. 59

 4. 47

- Q.25** Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)
- Ans**  1. DFH
 2. VXY
 3. JLN
 4. QSU

Section : **Quantitative Aptitude**

- Q.1** In an election there were three candidates. The first candidate got 40% votes and second candidate got 35% votes. If the total votes in the election are 50,000, find the number of votes got by the third candidate.

- Ans**  1. 13,500
 2. 12000
 3. 12500
 4. 1250

- Q.2** Ratna buys 10 kg of rice for ₹88 per kg and another 20 kg of rice for ₹187 per kg. What is the per kg cost (in ₹) of the total mixture of rice for her?

- Ans**  1. 158
 2. 154
 3. 150
 4. 148

- Q.3** When the price of a product was decreased by 10%, then the number of pieces sold was increased by 40%. Find the increase or decrease per cent on the total revenue.

- Ans**  1. Increase 14%
 2. Decrease 14%
 3. Increase 26%
 4. Decrease 26%

- Q.4** After an increase of 9% in salary, a person received ₹6,300. What was his salary before the increase (consider integral part only)?

- Ans**  1. ₹4,000
 2. ₹3,879
 3. ₹5,000
 4. ₹5,779

- Q.5** A cube of edge 4 cm is cut into cubes each of edge of 2 cm. The ratio of the total surface area of one of the small cubes to that of the large cube is equal to:

- Ans**  1. 1 : 4
 2. 1 : 8
 3. 1 : 16
 4. 1 : 64

- Q.6** The volume of the hemisphere (to the nearest integer) with a radius of 5.5cm is (use $\pi=3.14$):

- Ans**  1. 378 cm³
 2. 325 cm³
 3. 348 cm³
 4. 362 cm³

Q.7 A line from point A is drawn that is tangent to the circle at point B. A secant is also drawn from point A to the circle intersecting it at points C and D. If $AB = 42$ cm and $AC = 21$ cm, then what is the ratio between AB and CD?

- Ans
- ☐ 1. 3 : 4
 - ☒ 2. 2 : 3
 - ☐ 3. 3 : 2
 - ☐ 4. 2 : 5

Q.8 A certain sum of money is lent out at simple interest. If that money becomes ₹24,000 in 2 years and ₹32,000 in 4 years, the annual rate of interest is:

- Ans
- ☒ 1. 25%
 - ☐ 2. 30%
 - ☐ 3. 16%
 - ☐ 4. 20%

Q.9 In an isosceles triangle ABC, $AB=AC$. D is a point inside the triangle such that $\angle BAD = 20^\circ = \angle DCB$, $\angle CAD = 80^\circ$. The value of $\angle ABC$ is:

- Ans
- ☐ 1. 20°
 - ☐ 2. 25°
 - ☒ 3. 40°
 - ☐ 4. 15°

Q.10 P got married 15 years ago. Today her age is $1\frac{3}{5}$ times her age at the time of her marriage. At present her son's age is $\frac{1}{5}$ of her age. What was her son's age 4 years ago as a fraction of P's age at that time?

- Ans
- ☐ 1. $\frac{5}{9}$
 - ☐ 2. $\frac{1}{8}$
 - ☒ 3. $\frac{1}{9}$
 - ☐ 4. $\frac{1}{10}$

Q.11 P and Q can do a work in 12 days and 9 days, respectively. They both worked together and earned ₹63,000. The share of P (in ₹) is:

- Ans
- ☐ 1. 36,000
 - ☐ 2. 9,000
 - ☒ 3. 27,000
 - ☐ 4. 21,000

Q.12 If $f(p) = \sin^{p+2} x + \cos^{p+2} x$, then the value of $6f(2) - 4f(4) + 10f(0)$ is:

- Ans
- ☒ 1. 12
 - ☐ 2. 10
 - ☐ 3. 11
 - ☐ 4. 14

Q.13 Ramu's wage was decreased by 50%. The reduced wage was then increased by 50%. What is the percentage loss faced by Ramu in his wage?

- Ans
- ☐ 1. 10%
 - ☒ 2. 25%
 - ☐ 3. 0%
 - ☐ 4. 50%

Q.14 The length (in cm) of a direct common tangent to two circles of radii 14 cm and 5 cm whose centres are separated by a distance of 40 cm is:

- Ans
- ☐ 1. $\sqrt{1519}$ cm
 - ☐ 2. 41 cm
 - ☐ 3. $\sqrt{1539}$ cm
 - ☒ 4. 40 cm

Q.15 If $x : y = 5 : 6$, then $2x + 3y : 3x + 5y$ is:

- Ans
- ☐ 1. 18 : 35
 - ☐ 2. 28 : 48
 - ☐ 3. 18 : 45
 - ☒ 4. 28 : 45

Q.16 Shopkeeper A marks up his price for an item at 25% and offers a discount of 15%. The same item is marked at 20% by another shopkeeper B and sold at a discount of 12%. Who gets a better deal in terms of % profit and by what profit percentage he sells that item?

- Ans
- ☐ 1. B by 0.65%
 - ☐ 2. B by 5.6%
 - ☐ 3. A by 0.55%
 - ☒ 4. A by 6.25%

Q.17 If the three angles of a triangle are $\alpha + 30^\circ$, $\frac{9\alpha}{5} + 6^\circ$ and $\frac{2\alpha}{3} + 40^\circ$, then the triangle is:

- Ans
- ☐ 1. scalene
 - ☐ 2. isosceles
 - ☐ 3. right angled
 - ☒ 4. equilateral

Q.18 Evaluate the given expression.

$$[(89 + 87) \div 2 - 7 \times 18 \div 2 + \{(9 + 5) \div 2\} + 3 \times 7 - 9] + 9$$

- Ans
- ☒ 1. 53
 - ☐ 2. 45
 - ☐ 3. 57
 - ☐ 4. 35

Q.19 When 12 is subtracted from a number, it reduces to its 40%. Two-fifth of that number is:

- Ans
- ☐ 1. 12
 - ☐ 2. 20
 - ☒ 3. 8
 - ☐ 4. 50

Q.20 The ratio of the outer and the inner circumference of a circular path is 7:6. If the path is 45 m wide, then what is the radius (in m) of the inner circle?

- Ans
- ☐ 1. 240
 - ☐ 2. 150
 - ☐ 3. 120
 - ☒ 4. 270

Q.21 If $A = \frac{9}{16} \div \frac{25}{36}$, $B = 9 \div [(16 \div 25) \div 36]$, $C = [9 \div (16 \div 25)] \div 36$, $D = (9 \div 16) \div (25 \div 36)$, then which of the following is true?

- Ans
- ☐ 1. A and B are equal.
 - ☐ 2. C and D are equal.
 - ☐ 3. B and D are equal.
 - ☒ 4. A and D are equal.

Q.22 A vendor buys 20 dozen bananas for ₹1,200 and sells 5 dozen for ₹350, then his gain percentage is:

- Ans
- ☒ 1. $16\frac{2}{3}\%$
 - ☐ 2. $13\frac{2}{3}\%$
 - ☐ 3. $15\frac{1}{3}\%$
 - ☐ 4. $21\frac{1}{3}\%$

Q.23 If $A = 60 \left[\frac{6}{25} \div \left(\frac{16}{15} \text{ of } \frac{3}{8} \right) + 5 - \left(1 - 2\frac{1}{12} \right) \right]$, then the sum of the digits of A is:

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

Q.24 The curved surface area of a right circular cone is $20\pi \text{ cm}^2$. If its radius is 4 cm, then find the volume of cone.

- Ans
- ☐ 1. $21\pi \text{ cm}^3$
 - ☐ 2. $20\pi \text{ cm}^3$
 - ☐ 3. $18\pi \text{ cm}^3$
 - ☒ 4. $16\pi \text{ cm}^3$

Q.25 A policeman was asked to chase a thief. Before the policeman started the chase, he realised that the thief was 200 metres ahead of him and was running at a speed of 16 km/h. The policeman started the chase at a speed of 20 km/h. How far will the thief run before he is overtaken by the policeman?

- Ans
- ☐ 1. 700 m
 - ☒ 2. 800 m
 - ☐ 3. 600 m
 - ☐ 4. 1000 m

Q.1 Who took oath as the Chief Minister of Karnataka, in May 2023?

- Ans
- ☐ 1. DK Sivakumar
 - ☐ 2. Mallikarjun Kharge
 - ☐ 3. MK Stalin
 - ☒ 4. Siddaramaiah

Q.2 'Reservation in promotion' comes under which Article of the Constitution?

- Ans
- ☐ 1. Article 14 (4A)
 - ☐ 2. Article 15 (3B)
 - ☐ 3. Article 19 (2)
 - ☒ 4. Article 16 (4A)

Q.3 Match the items in List I with those in List II.

List I	List II
i. Balanced Growth Theory	a. Rosenstein Rodan
ii. Big Push Theory	b. Feldman-Mahalanobis
iii. Secular Deterioration	c. Ragnar Nurkse
iv. Capital Goods and Heavy Industry	d. Prebisch-Singer

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

Q.4 What is the minimum number of football players required in a team for a match to start?

- Ans
- ☐ 1. 11
 - ☐ 2. 10
 - ☒ 3. 7
 - ☐ 4. 8

Q.5 The Gulf of Khambhat, the Gulf of Kutch and Gangetic delta provide ideal conditions for utilising _____ energy.

- Ans
- ☒ 1. tidal
 - ☐ 2. geo thermal
 - ☐ 3. solar
 - ☐ 4. atomic

Q.6 Which was the first socio-religious organisation established in Bombay in 1840 to work for the annihilation of caste?

- Ans
- ☐ 1. Vishwa Jain Sangathan
 - ☒ 2. Paramhans Mandali
 - ☐ 3. Dharma Sabha
 - ☐ 4. Satyashodhak Samaj

Q.7 The catchphrase of which census is 'Our census, our future'?

- Ans
- ☐ 1. 1991
 - ☐ 2. 2001
 - ☐ 3. 1981
 - ☒ 4. 2011

Q.8 Which of the following muscles regulates the exit of food from the stomach into the small intestine?

- Ans**
- ☐ 1. Gastrocnemius
 - ☒ 2. Sphincter
 - ☐ 3. Rectus
 - ☐ 4. Pectoralis

Q.9 Which of the following is a feature of Directive Principles of State Policy, and also distinguishes it from Fundamental Rights?

- Ans**
- ☐ 1. It protects the interest of the individual.
 - ☐ 2. It is prohibitive in nature.
 - ☐ 3. It is justiciable.
 - ☒ 4. It is non-justiciable.

Q.10 What function does the public key serve in digital signature verification?

- Ans**
- ☐ 1. To encrypt the digital signature
 - ☒ 2. To decrypt the digital signature
 - ☐ 3. To ensure confidentiality during transmission
 - ☐ 4. To calculate the hash value of the message or file content

Q.11 Which of the following is NOT applicable to force?

- Ans**
- ☒ 1. Force may increase the mass of the object
 - ☐ 2. Force may change the shape of an object
 - ☐ 3. Force may change the direction of a moving object
 - ☐ 4. Force may make an object move

Q.12 In the year 2021, the Department of Public Enterprises has now been made part of the _____ Ministry, to speed up the privatisation process and exercise greater financial control over the state-run-enterprises.

- Ans**
- ☒ 1. Finance
 - ☐ 2. Commerce and Industry
 - ☐ 3. Micro, Small and Medium Enterprises
 - ☐ 4. Heavy Industries and Public Enterprises

Q.13 Competitive behaviour and competitive market structure are _____ related.

- Ans**
- ☐ 1. proportionately
 - ☐ 2. not
 - ☒ 3. inversely
 - ☐ 4. directly

Q.14 How many times has India hosted the ICC Men's T-20 Cricket World Cup as of 2023?

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

Q.15 How many basic talams are there in Indian Classical Carnatic music?

- Ans**
- ☐ 1. 37
 - ☐ 2. 11
 - ☐ 3. 21
 - ☒ 4. 7

Q.16 Bharatanatyam dance form is associated with:

- Ans**
- ☐ 1. Karnataka
 - ☐ 2. Haryana
 - ☐ 3. Himachal Pradesh
 - ☒ 4. Tamil Nadu

Q.17 The founder of the Pala empire was:

- Ans**
- ☐ 1. Rayala
 - ☐ 2. Devapala
 - ☐ 3. Dharmapala
 - ☒ 4. Gopala

Q.18 As of 2022, which among of the following is the leading tidal energy generation site of India?

- Ans**
- ☒ 1. Gulf of Kutch
 - ☐ 2. Sunderbans
 - ☐ 3. Gulf of Mannar
 - ☐ 4. Seashore of Maharashtra

Q.19 Which planet is the second largest planet in our solar system and also has the biggest and brightest rings around it?

- Ans**
- ☐ 1. Earth
 - ☐ 2. Jupiter
 - ☐ 3. Uranus
 - ☒ 4. Saturn

Q.20 Which of the following awards is presented for lifetime achievement in sports and games? It was instituted to honour those sportspersons who have contributed to sports by their performance and continue to contribute to the promotion of sports even after their retirement from an active sporting career.

- Ans**
- ☐ 1. Dronacharya Award
 - ☒ 2. Dhyanchand Award
 - ☐ 3. Arjuna Award
 - ☐ 4. Major Dhyan Chand Khel Ratna

Q.21 With which Gharana is the famous Tarana singer, Pandit Rattan Mohan Sharma associated?

- Ans**
- ☐ 1. Agra Gharana
 - ☐ 2. Patiala Gharana
 - ☐ 3. Talwandi Gharana
 - ☒ 4. Mewati Gharana

Q.22 Which of the following is NOT a condition for acquiring the citizenship of India?

- Ans**
- ☐ 1. Domicile
 - ☐ 2. Registration
 - ☒ 3. Holding property
 - ☐ 4. Descent

Q.23 'Tamu Lochar' is one of the traditional festivals of the _____ of Sikkim. It is celebrated to mark the beginning of their new year, which falls on the 15th day of Pusa, according to the Hindu calendar Vikram Samvat and 30th December in the English calendar.

- Ans**
- ☒ 1. Gurung community
 - ☐ 2. Mangar community
 - ☐ 3. Lepcha community
 - ☐ 4. Bhutia community

Q.24 Which of the following is the official language of Afghanistan?

- Ans
- ☒ 1. Dari
 - ☐ 2. Turkmen
 - ☐ 3. Uzbek
 - ☐ 4. Dhivehi

Q.25 Which of the following is an example of multi-factor authentication for PC security?

- Ans
- ☒ 1. Fingerprint scan
 - ☐ 2. Firewall protection
 - ☐ 3. OS protection
 - ☐ 4. Antivirus software

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 VH

Section : English Language

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

Q.3 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. 2
 - ☐ 3. 4
 - ☐ 4. 1

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

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

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

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

Q.10 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. unfathomable
 - ☒ 4. ambiguous

Q.11 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. poor
 - ☐ 3. buying
 - ☐ 4. choice

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

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

Q.13 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 has some
 - ☒ 2. There are some
 - ☐ 3. There is some
 - ☐ 4. Theirs some

Q.14 Complete the given sentence with an appropriate homophone from the given options.
There was no one _____ a few of my friends.

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

Q.15 Select the INCORRECTLY spelt word.

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

Q.16 Select the most appropriate word to fill in the blank.

He has _____ vision because of his illness.

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

Q.17 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. unreality
 - ☐ 3. hallucination
 - ☐ 4. vision

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

Absurd

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

Q.19 Select the most appropriate ANTONYM of the given word.

Stoic

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

Q.20 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. after
 - ☐ 2. as
 - ☒ 3. when
 - ☐ 4. before

Q.21 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. impervious
 - ☒ 2. decorous
 - ☐ 3. licentious
 - ☐ 4. ribald

Q.22 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. have been waiting
 - ☐ 2. will waiting
 - ☐ 3. has been waiting
 - ☐ 4. had waiting

Q.23 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. feeling the pinch
 - ☐ 3. getting it off his chest
 - ☐ 4. taking a break

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. shabby
 - ☒ 2. spotless
 - ☐ 3. new
 - ☐ 4. similar

Q.25 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. fortunate evidence
 - ☐ 2. candid confession
 - ☐ 3. discouraging act
 - ☒ 4. clever bluff

Section : **General Intelligence**

Q.1 The position of how many letter(s) will remain unchanged if each of the letters in the word 'ACTION' is arranged in alphabetical order?

- Ans**
- ☐ 1. Two
 - ☐ 2. One
 - ☐ 3. Four
 - ☒ 4. Three

Q.2 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans  1. ADH
 2. NQU
 3. GJM
 4. RUY

Q.3 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. Three
 2. Two
 3. None
 4. One

Q.4 The position of how many letters will change if each of the letters in the word SKYLINE is arranged in alphabetical order?

Ans  1. Five
 2. Seven
 3. Six
 4. Four

Q.5 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. Gentle : Mild
 2. Unite : Divide
 3. Lively : Vibrant
 4. Rich : Affluent

Q.6 What should come in place of the question mark (?) in the given series?

23, 44, 65, 86, ?, 128

Ans  1. 105
 2. 109
 3. 103
 4. 107

Q.7 Which of the following numbers will replace the question mark (?) in the given series?

3, 5, 25, ?, 2225, 22225

Ans  1. 525
 2. 225
 3. 275
 4. 255

Q.8 The position of how many letters will remain unchanged if all the letters in the word SALIENT are arranged in alphabetical order?

Ans  1. Four
 2. Two
 3. One
 4. Three

Q.9 '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. Son
 - ☒ 2. Father
 - ☒ 3. Brother
 - ☒ 4. Mother

Q.10 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. 312
 - ☒ 4. 300

Q.11 In a certain code language, 'DUTY' is coded as 'HRVX' and 'EPIC' is coded as 'IMKB'. What is the code for 'FAWN' in the given code language?

- Ans
- ☒ 1. JXYM
 - ☒ 2. HYWN
 - ☒ 3. IYWM
 - ☒ 4. GYXN

Q.12 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. None of the conclusions follow
 - ☒ 2. Both conclusions I and II follow
 - ☒ 3. Only conclusion II follows
 - ☒ 4. Only conclusion I follows

Q.13 Which of the following numbers will replace the question mark (?) in the given series?
165 192 227 270 321 ?

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

Q.14 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.15 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. 36
 - ☒ 2. 39
 - ☐ 3. 30
 - ☐ 4. 33

Q.16 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. mk
 - ☒ 3. ck
 - ☐ 4. rl

Q.17 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 247?

- Ans**
- ☐ 1. 25 A 8 D 70 B 7 C 57
 - ☐ 2. 25 C 8 D 70 A 7 B 57
 - ☒ 3. 25 B 8 D 70 A 7 C 57
 - ☐ 4. 25 D 8 B 70 A 7 C 57

Q.18 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. MDX
 - ☐ 2. NCX
 - ☐ 3. MCZ
 - ☒ 4. LDY

Q.19 What should come in place of the question mark (?) in the given series?
160, 187, 216, 247, ?

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

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, 60, 10)
 - ☒ 2. (180, 60, 15)
 - ☐ 3. (180, 50, 15)
 - ☐ 4. (160, 60, 15)

Q.21 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. -76
 - ☒ 3. -84
 - ☐ 4. -79

Q.22 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. Brother
 - ☐ 2. Father
 - ☒ 3. Son
 - ☐ 4. Father's father

Q.23 What should come in place of ? in the given series?

144 169 196 225 256 ?

- Ans
- ☐ 1. 287
 - ☐ 2. 298
 - ☐ 3. 288
 - ☒ 4. 289

Q.24 '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. YZITFZMYB
 - ☐ 3. YZITVZMWB
 - ☒ 4. YZITFZMWB

Q.25 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?

$$36 B 8 A 56 C 49 D 53 = ?$$

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

Section : Quantitative Aptitude

Q.1 Increase 160 by 10% and then decrease it by 15%.What is the new number?

- Ans
- ☒ 1. 149.6
 - ☐ 2. 148.6
 - ☐ 3. 146.6
 - ☐ 4. 145.6

Q.2 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. 320
 - ☒ 2. 260
 - ☐ 3. 254
 - ☐ 4. 230

Q.3 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. 6 cm
 - ☐ 2. 9 cm
 - ☐ 3. 8 cm
 - ☒ 4. 4 cm

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

Q.5 EG is a median of triangle DEF. A line is drawn from mid-point M of DE parallel to EG intersecting DF at point N. If DF = 4.8 cm, then the value of FN is:

- Ans
- ☐ 1. 4.8 cm
 - ☒ 2. 3.6 cm
 - ☐ 3. 2.4 cm
 - ☐ 4. 1.2 cm

Q.6 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. 35°
 - ☒ 3. 54°
 - ☐ 4. 55°

Q.7 A coat marked at ₹145 is offered at ₹ 127.6 . The rate of retail discount offered is:

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

Q.8 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. $92\frac{4}{7}$ days
 - ☐ 3. $97\frac{4}{7}$ days
 - ☐ 4. $87\frac{4}{7}$ days

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. 120
 - ☐ 2. 148
 - ☒ 3. 140
 - ☐ 4. 1282

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. ₹30
 - ☐ 2. ₹40
 - ☒ 3. ₹20
 - ☐ 4. ₹10

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

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

Q.12 A person's salary was reduced by 50%. Again the reduced salary was increased by 40%. Find percentage decrease in his salary.

- Ans
- ☐ 1. 45%
 - ☐ 2. 10%
 - ☐ 3. 25%
 - ☒ 4. 30%

Q.13 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. 595
 - ☐ 2. 682
 - ☒ 3. 722
 - ☐ 4. 750

Q.14 Simplify the following expression.

$$[(6 + 6 \div 6 + 6 \times 6 - 6) \times 6] \div (7 + 7 \div 7 + 7 \times 7 - 7) \times (8 + 6 \times 7) \div (2 \times 3).$$

- Ans
- ☐ 1. $\frac{50}{6}$
 - ☒ 2. 37
 - ☐ 3. $\frac{37}{6}$
 - ☐ 4. $\frac{222}{50}$

Q.15 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. 13:14
 - ☐ 3. 26:28
 - ☒ 4. 14:13

Q.16 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.17 An article is of size 9 cm $\times$ 6 cm $\times$ 3 cm. The number of such articles that can be packed in a box measuring 63 cm $\times$ 42 cm $\times$ 21 cm is:

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

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. 1,490
 - ☐ 3. 1,270
 - ☐ 4. 1,290

Q.19 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. $7\sqrt{3}:3$
 - ☐ 3. $3\sqrt{2}:\sqrt{7}$
 - ☒ 4. $3\sqrt{3}:\sqrt{7}$

Q.20 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. 960 km
 - ☐ 2. 480 km
 - ☐ 3. 720 km
 - ☐ 4. 1080 km

Q.21 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. ₹1,200, 12%
 - ☐ 2. ₹1,200, 10%
 - ☒ 3. ₹1,500, 12%
 - ☐ 4. ₹1,500, 15%

Q.22 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. $\frac{7}{9}$
 - ☐ 2. $\frac{8}{6}$
 - ☐ 3. $\frac{5}{8}$
 - ☐ 4. $\frac{9}{12}$

Q.23 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. 45°
 - ☒ 3. 60°
 - ☐ 4. 75°

Q.24 Which of the following ratios is greater?

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

Q.25 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

Section : **General Awareness**

Q.1 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. Bihar
 - ☒ 2. Assam
 - ☐ 3. Karnataka
 - ☐ 4. Uttar Pradesh

Q.2 Which of the following word sequences is correct as per the Preamble to the Constitution?

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

Q.3	In which direction is the general elevation of the peninsular plateau of India?
Ans	☒ 1. From North to South ☒ 2. From East to West ☒ 3. From South to North ☒ 4. From West to East
Q.4	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.5	_____ 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. Balkrishna Doshi ☒ 4. Mulayam Singh Yadav
Q.6	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 safeguard public property and to abjure violence ☒ 2. To defend the country and render national service ☒ 3. To develop the scientific temper ☒ 4. To promote harmony and spirit of common brotherhood
Q.7	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.8	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. Glycine ☒ 4. Cysteine
Q.9	What is the impact of proportional taxes?
Ans	☒ 1. Increases the induced expenditure multiplier ☒ 2. Increases the autonomous expenditure multiplier ☒ 3. Reduces the autonomous expenditure multiplier ☒ 4. Increases the marginal propensity to consume
Q.10	Who invaded India during the rule of Tughlaq Dynasty?
Ans	☒ 1. Muhammad Ghori ☒ 2. Chengiz Khan ☒ 3. Mahmud of Ghazni ☒ 4. Timur
Q.11	What are the standard measurements of a cricket pitch?
Ans	☒ 1. 22 yards by 12 ft ☒ 2. 20 yards by 10 ft ☒ 3. 22 yards by 10 ft ☒ 4. 20 yards by 12 ft

Q.12 Gurburab is celebrated to commemorate the birthday of Guru Nank dev ji. He was the _____ guru of Sikhs?

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

Q.13 'Lai-Phi' and 'Chin-Phi' are the cultural costumes of which state?

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

Q.14 Lakshmibai National College of Physical Education is located at _____.

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

Q.15 A proton bonds to the oxygen atom of a solvent water to give a _____ hydronium ion.

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

Q.16 Who among the following is a Choreographer in Indian film Industry?

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

Q.17 In which of the following years was the National Anthem adopted in its Hindi version by the Constituent Assembly?

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

Q.18 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. Cut
 - ☐ 4. Copy

Q.19 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-b, ii-a, iii-d, iv-c
 - ☒ 2. i-c, ii-a, iii-b, iv-d
 - ☐ 3. i-d, ii-c, iii-a, iv-b
 - ☐ 4. i-c, ii-d, iii-b, iv-a

Q.20 Where is the largest football stadium in India located?

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

Q.21 _____ oblong orbit overlaps the orbit of Neptune.

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

Q.22 The headquarters of the Indian Institute of Tourism and Travel Management are located at:

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

Q.23 Which does social networking service place the biggest emphasis on professional networking?

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

Q.24 What is the literacy rate of India as per the National Survey of India-2022?

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

Q.25 Annamacharya composed Sankirtans in praise of which God?

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

Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	11/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I

Section : English Language

Q.1 The following sentence has been divided into three segments. Identify the segment that contains a grammatical error. If you don't find any error, select 'No error' as your answer.

It was possible to achieve anything, / if one has the grit and determination / to keep going.

- Ans**
- ☒ 1. It was possible to achieve anything,
 - ☐ 2. No error
 - ☐ 3. to keep going.
 - ☐ 4. if one has the grit and determination

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

The teacher will / certainly help you / if you will / ask her.

- Ans**
- ☒ 1. if you will
 - ☐ 2. ask her
 - ☐ 3. certainly help you
 - ☐ 4. The teacher will

Q.3 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.

My Vice-Chancellor works / eighteen hours / a day, / seven days week.

- Ans**
- ☐ 1. eighteen hours
 - ☒ 2. seven days week.
 - ☐ 3. a day,
 - ☐ 4. My Vice-Chancellor works

Q.4 Identify the error in the tense of the sentence and select the option that correctly rectifies the error.

Between two evils, I always picks the one I have never tried before.

- Ans**
- ☒ 1. Between two evils, I always pick the one I have never tried before.
 - ☐ 2. Between two evils, I always picking the one I have never tried before.
 - ☐ 3. Between two evils, I always is picking the one I have never tried before.
 - ☐ 4. Between two evils, I always picked the one I have never tried before.

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.

Organic agriculture offers a means to substitute costlier agricultural inputs such as HYV seeds, chemical fertilisers and pesticides with locally produced organic inputs that are cheaper and thereby generate good returns on ____1____. Organic agriculture also generates income through exports as the demand for organically grown crops is on a ____2____. Studies across countries have shown that organically grown food has more nutritional value than chemical farming, thus providing us with healthy foods. Since organic farming requires more labour input than ____3____ farming, India will find organic farming an attractive ____4____. Finally, the produce is pesticide-free and produced in an environmentally ____5____ way.

SubQuestion No : 5

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

- Ans**
- ☐ 1. loss
 - ☒ 2. investment
 - ☐ 3. profit
 - ☐ 4. expenditure

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.

Organic agriculture offers a means to substitute costlier agricultural inputs such as HYV seeds, chemical fertilisers and pesticides with locally produced organic inputs that are cheaper and thereby generate good returns on ____1____. Organic agriculture also generates income through exports as the demand for organically grown crops is on a ____2____. Studies across countries have shown that organically grown food has more nutritional value than chemical farming, thus providing us with healthy foods. Since organic farming requires more labour input than ____3____ farming, India will find organic farming an attractive ____4____. Finally, the produce is pesticide-free and produced in an environmentally ____5____ way.

SubQuestion No : 6

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

- Ans**
- ☒ 1. decline
 - ☒ 2. growth
 - ☒ 3. stagnation
 - ☒ 4. rise

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.

Organic agriculture offers a means to substitute costlier agricultural inputs such as HYV seeds, chemical fertilisers and pesticides with locally produced organic inputs that are cheaper and thereby generate good returns on ____1____. Organic agriculture also generates income through exports as the demand for organically grown crops is on a ____2____. Studies across countries have shown that organically grown food has more nutritional value than chemical farming, thus providing us with healthy foods. Since organic farming requires more labour input than ____3____ farming, India will find organic farming an attractive ____4____. Finally, the produce is pesticide-free and produced in an environmentally ____5____ way.

SubQuestion No : 7

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

- Ans**
- ☒ 1. conventional
 - ☒ 2. rigorous
 - ☒ 3. mechanical
 - ☒ 4. insipid

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.

Organic agriculture offers a means to substitute costlier agricultural inputs such as HYV seeds, chemical fertilisers and pesticides with locally produced organic inputs that are cheaper and thereby generate good returns on ____1____. Organic agriculture also generates income through exports as the demand for organically grown crops is on a ____2____. Studies across countries have shown that organically grown food has more nutritional value than chemical farming, thus providing us with healthy foods. Since organic farming requires more labour input than ____3____ farming, India will find organic farming an attractive ____4____. Finally, the produce is pesticide-free and produced in an environmentally ____5____ way.

SubQuestion No : 8

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

- Ans**
- ☒ 1. challenge
 - ☒ 2. proposition
 - ☒ 3. burden
 - ☒ 4. obstacle

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.

Organic agriculture offers a means to substitute costlier agricultural inputs such as HYV seeds, chemical fertilisers and pesticides with locally produced organic inputs that are cheaper and thereby generate good returns on ____1____. Organic agriculture also generates income through exports as the demand for organically grown crops is on a ____2____. Studies across countries have shown that organically grown food has more nutritional value than chemical farming, thus providing us with healthy foods. Since organic farming requires more labour input than ____3____ farming, India will find organic farming an attractive ____4____. Finally, the produce is pesticide-free and produced in an environmentally ____5____ way.

SubQuestion No : 9

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

- Ans
- ☒ 1. destructive
 - ☒ 2. sustainable
 - ☒ 3. innovative
 - ☒ 4. harmful

Q.10 Rectify the sentence by selecting the correct spelling from the options.

Psychology developed as a significant discipline of study in the twentieth century.

- Ans
- ☒ 1. Pscycology
 - ☒ 2. Pscichology
 - ☒ 3. Psychology
 - ☒ 4. Pcychology

Q.11 Select the most appropriate option to fill in the blank and complete the sentence.
You just wait in the lobby. I will be back after _____.

- Ans
- ☒ 1. a fast shower
 - ☒ 2. a quick shower
 - ☒ 3. a quick food
 - ☒ 4. a fast meal

Q.12 Select the most appropriate ANTONYM of the underlined word.
I left the job because of a hostile working environment.

- Ans
- ☒ 1. Rustic
 - ☒ 2. Friendly
 - ☒ 3. Morose
 - ☒ 4. Violent

Q.13 Select the most appropriate option to fill in the blank.
The guard did not want anything bad to happen, so he ordered the group to step back to avoid anything _____.

- Ans
- ☒ 1. terrible
 - ☒ 2. diplomatic
 - ☒ 3. habitual
 - ☒ 4. customary

Q.14 Select the most appropriate meaning of the underlined idiom in the given sentence.
Every piece of furniture in her house is in apple-pie order.

- Ans
- ☒ 1. Very delicately arranged
 - ☒ 2. Painted in light colours
 - ☒ 3. Very neatly arranged
 - ☒ 4. Kept in a disorganised way

Q.15 Select the most appropriate option that can substitute the underlined segment in the given sentence.

He has recovered now and is feeling too strong to walk.

- Ans
- ☒ 1. weak enough to walk
 - ☒ 2. too weak to walk
 - ☒ 3. strong enough to walk
 - ☒ 4. strong to walk

Q.16 Select the most appropriate homophones to fill in the blanks.
It was against her _____ to earn more _____ than that decided by the board of directors.

- Ans**
- ☒ 1. principal; prophet
 - ☒ 2. principle, profit
 - ☒ 3. principal; profit
 - ☒ 4. principle; prophet

Q.17 Select the most appropriate homophones to fill in the blanks.
I _____ that he has been promoted to the post of _____ officer.

- Ans**
- ☒ 1. heard; sealing
 - ☒ 2. herd; ceiling
 - ☒ 3. heard; ceiling
 - ☒ 4. herd; sealing

Q.18 Select the most appropriate meaning of the given idiom.
To throw dust in one's eyes

- Ans**
- ☒ 1. To mislead someone by tricks
 - ☒ 2. To make someone blind forever
 - ☒ 3. To hit someone with stone
 - ☒ 4. To talk in an abusive language

Q.19 Select the most appropriate ANTONYM of the word 'Contaminate' from the given sentence.

Crews were requested to purify the system since a brain-eating amoeba was discovered in the drinking water.

- Ans**
- ☒ 1. requested
 - ☒ 2. purify
 - ☒ 3. system
 - ☒ 4. discovered

Q.20 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'.

The film was made in Botswana, whose wildlife parks is larger to those in Kenya.

- Ans**
- ☒ 1. are larger than
 - ☒ 2. No substitution required
 - ☒ 3. are large than
 - ☒ 4. as large than

Q.21 Select the option that will improve the underlined part of the given sentence.
Neither Janki or I am to receive the award.

- Ans**
- ☒ 1. either
 - ☒ 2. no
 - ☒ 3. not
 - ☒ 4. nor

Q.22 Select the most appropriate synonym of the given word.
Anxiety

- Ans**
- ☒ 1. Ease
 - ☒ 2. Distress
 - ☒ 3. Serenity
 - ☒ 4. Dilemma

Q.23 Select the correctly spelt word.

- Ans**
- ☒ 1. Quintessential
 - ☒ 2. Quintessintial
 - ☒ 3. Quintesential
 - ☒ 4. Quientessential

Q.24 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Peter was the last to know that she had been cheating of him.

- Ans**
- ☒ 1. cheating on him
 - ☐ 2. cheat of him
 - ☐ 3. cheating up him
 - ☐ 4. cheating in him

Q.25 Select the most appropriate **ANTONYM** of the given word.
Queer

- Ans**
- ☐ 1. Doubtful
 - ☐ 2. Fantastic
 - ☐ 3. Eccentric
 - ☒ 4. Ordinary

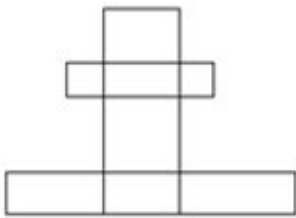
Section : **General Intelligence**

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?

$$5 \text{ B } 5 \text{ C } 216 \text{ A } 9 \text{ D } 3 = ?$$

- Ans**
- ☐ 1. 23
 - ☐ 2. 64
 - ☒ 3. 46
 - ☐ 4. 32

Q.2 How many rectangles are there in the figure?



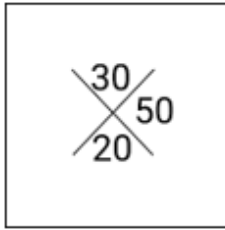
- Ans**
- ☒ 1. More than 17
 - ☐ 2. 17
 - ☐ 3. 15
 - ☐ 4. 16

Q.3 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?

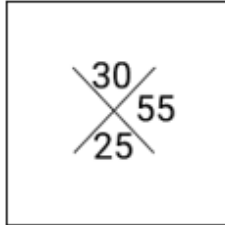
$\begin{array}{c} 10 \diagup 15 \\ \diagdown 5 \end{array}$	$\begin{array}{c} 15 \diagup 25 \\ \diagdown 10 \end{array}$	$\begin{array}{c} 20 \diagup 35 \\ \diagdown 15 \end{array}$	$\begin{array}{c} 25 \diagup 45 \\ \diagdown 20 \end{array}$	?
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Ans

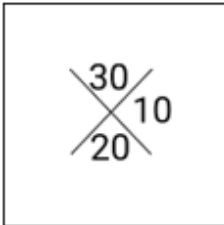
✗ 1.



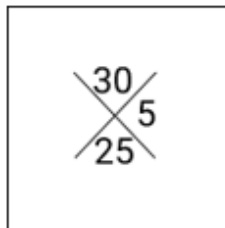
✓ 2.



✗ 3.



✗ 4.



Q.4 In a certain code language,
'A + B' means 'A is the sister of B',
'A - B' means 'A is the brother of B',
'A × B' means 'A is the father of B',
'A ÷ B' means 'A is the daughter of B'.
Based on the above, how is K related to P if 'J ÷ K + L × O - P'?

- Ans
- ✗ 1. Mother's sister
 - ✗ 2. Mother
 - ✓ 3. Father's sister
 - ✗ 4. Sister

Q.5 CEHM is related to YADI in a certain way based on the English alphabetical order. In the same way, IKNS is related to EGJO. To which of the following is OQTY related, following the same logic?

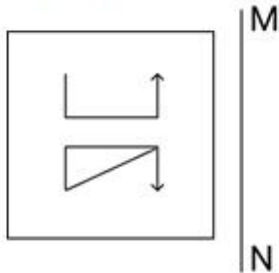
- Ans
- ✗ 1. KNPU
 - ✗ 2. KOPU
 - ✓ 3. KMPU
 - ✗ 4. KNOU

Q.6 What should come in place of the question mark (?) in the given series?

50, 51, 54, 55, 58, ?

- Ans
- ☒ 1. 64
 - ☒ 2. 59
 - ☒ 3. 60
 - ☒ 4. 62

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



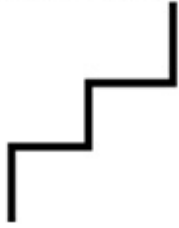
Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Q.8 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.)
(25, 8, 11)
(28, 8, 12)

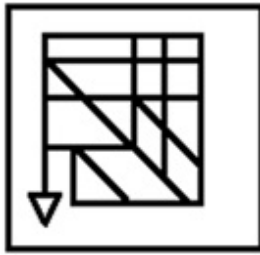
- Ans
- ☒ 1. (15, 5, 8)
 - ☒ 2. (17, 7, 8)
 - ☒ 3. (22, 13, 19)
 - ☒ 4. (42, 6, 21)

Q.9 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).

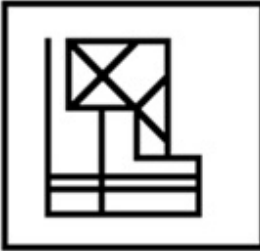


Ans

✓ 1.



✗ 2.



✗ 3.



✗ 4.



Q.10 What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$24 \div 9 + 182 \times 13 - 2 = ?$$

Ans

✗ 1. 238

✓ 2. 204

✗ 3. 224

✗ 4. 172

Q.11 If 18 January 2013 was Friday, then what was the day of the week on 19 December 2021?

Ans

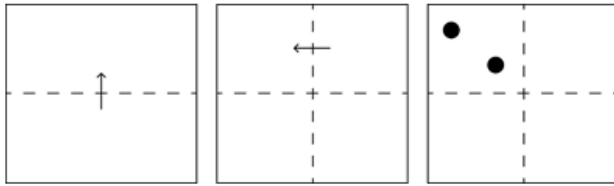
✗ 1. Thursday

✓ 2. Sunday

✗ 3. Wednesday

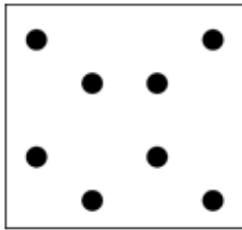
✗ 4. Saturday

Q.12 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?

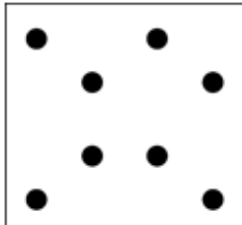


Ans

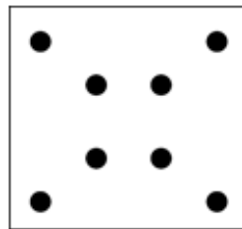
✗ 1.



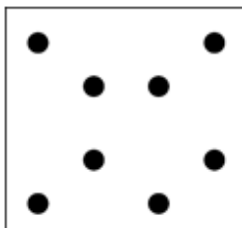
✗ 2.



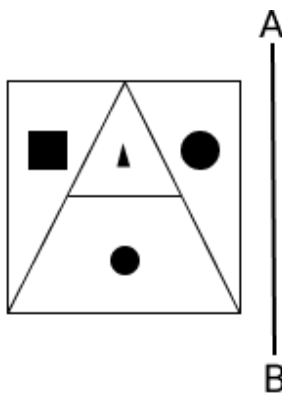
✓ 3.



✗ 4.

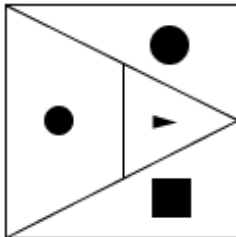


Q.13 Select the correct mirror image of the given figure when the mirror is placed at AB.

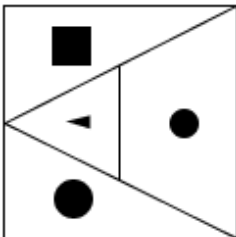


Ans

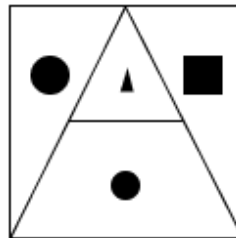
✗ 1.



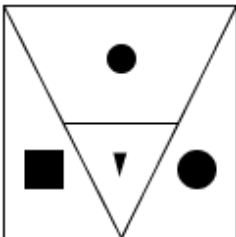
✗ 2.



✓ 3.



✗ 4.



Q.14 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

JIG_KG_U_EGZM_GE

- Ans
- ✗ 1. NGMC
 - ✗ 2. PGMC
 - ✗ 3. NGCL
 - ✓ 4. PGLC

Q.15 13 is related to 156 following a certain logic. Following the same logic, 22 is related to 264. To which of the following is 31 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. 374
 - ✗ 2. 370
 - ✗ 3. 376
 - ✓ 4. 372

Q.16 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.
a _ z b _ y c _ x _ a z _ b y c c _ a a _ b b _ c c x _ a z _ b y _ c x

- Ans**
- ☒ 1. abcabxzyabc
 - ☐ 2. bacabzxyabc
 - ☐ 3. bacazbxyacb
 - ☐ 4. acbacxzyabc

Q.17 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans**
- ☒ 1. 2 m a 7 R
 - ☐ 2. 2 b a m 7 R
 - ☐ 3. d 2 m a 7 R
 - ☐ 4. 2 7 a m d 2

Q.18 In a certain code language, 'TWIN' is coded as 2359 and 'WING' is coded as 5302. What is the code for 'T' in the given code language?

- Ans**
- ☐ 1. 2
 - ☐ 2. 3
 - ☐ 3. 5
 - ☒ 4. 9

Q.19 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$17 \div 4 - 28 + 125 \times 5 = ?$$

- Ans**
- ☐ 1. 74
 - ☐ 2. 72
 - ☒ 3. 71
 - ☐ 4. 73

Q.20 In a certain code language, 'DARK' is coded as '3975' and 'READ' is coded as '5873'. How is 'K' coded in the given language?

- Ans**
- ☐ 1. 3
 - ☐ 2. 7
 - ☐ 3. 5
 - ☒ 4. 9

Q.21 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All ground is wind.

Some tables are ground.

All wind is earth.

Conclusion (I): No tables are earth.

Conclusion (II): All earth is ground.

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

Q.22 Which of the following numbers will replace the question mark (?) in the given series?
800 400 480 240 320 ?

- Ans**
- ☐ 1. 120
 - ☐ 2. 180
 - ☒ 3. 160
 - ☐ 4. 200

Q.23 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☐ 1. CGI
 - ☐ 2. RVX
 - ☐ 3. JNP
 - ☒ 4. HKM

Q.24 The position of how many letters will remain unchanged if each of the letters in the word NUCLEAR is arranged in the alphabetical order?

- Ans**
- ☐ 1. None
 - ☐ 2. Two
 - ☒ 3. One
 - ☐ 4. Three

Q.25 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)

Compress : Expand

- Ans**
- ☐ 1. Defend : Protect
 - ☐ 2. Hopeful : Optimistic
 - ☒ 3. Limit : Boundless
 - ☐ 4. Observe : Notice

Section : **Quantitative Aptitude**

Q.1 The sum of the present ages of a father and son is 50 years. If after 5 years, the father's age will be 5 times the age of the son, then what was the father's age 5 years ago?

- Ans**
- ☐ 1. 36
 - ☒ 2. 40
 - ☐ 3. 47
 - ☐ 4. 43

Q.2

The value of $1\frac{1}{3} \div \left[2\frac{1}{6} \div \left\{ 14\frac{1}{3} - \left(2\frac{1}{3} + 3\frac{1}{2} \right) \right\} \right]$ is:

Ans

✗ 1. $3\frac{2}{17}$

✗ 2. $3\frac{2}{13}$

✓ 3. $5\frac{3}{13}$

✗ 4. $4\frac{3}{17}$

Q.3

The table shows the percentage distribution of the population (only male and female) according to Gender and Literacy.

State	Percentage literate	Gender	
		Literate	Illiterate
		M : F	M : F
A	55	5 : 6	4 : 5
B	72	1 : 1	3 : 2
C	78	4 : 3	3 : 2

If state B has 7 crore people, then the number of illiterate females in the state is:

Ans

✗ 1. 130.67 lakhs

✓ 2. 78.4 lakhs

✗ 3. 117.6 lakhs

✗ 4. 201.6 lakhs

Q.4

Find the mean proportion to 0.72 and 2.85 (round up to one decimal place).

Ans

✗ 1. 0.7

✓ 2. 1.4

✗ 3. 2.8

✗ 4. 0.4

Q.5

If $640 \div 8 + 930 \div 15 - k + 32 \times 5 = 1104 \div 16 \times 148 \div 37$, then the value of k is:

Ans

✗ 1. 302

✗ 2. 276

✗ 3. 35

✓ 4. 26

Q.6

If the speed of a boat in still water is 3 km/h and if its speed upstream is 1 km/h, find the speed of the stream.

Ans

✗ 1. 0.25 km/h

✗ 2. 1 km/h

✗ 3. 0.5 km/h

✓ 4. 2 km/h

Q.7 There are two circles touching each other externally. The radius of the first circle with centre O is 12 cm. The radius of the second circle with centre A is 5 cm. Find the length of their common tangent touching the two circles at points P and Q.

- Ans
- ☐ 1. $5\sqrt{14}$ cm
 - ☐ 2. $5\sqrt{41}$ cm
 - ☒ 3. $4\sqrt{15}$ cm
 - ☐ 4. $14\sqrt{5}$ cm

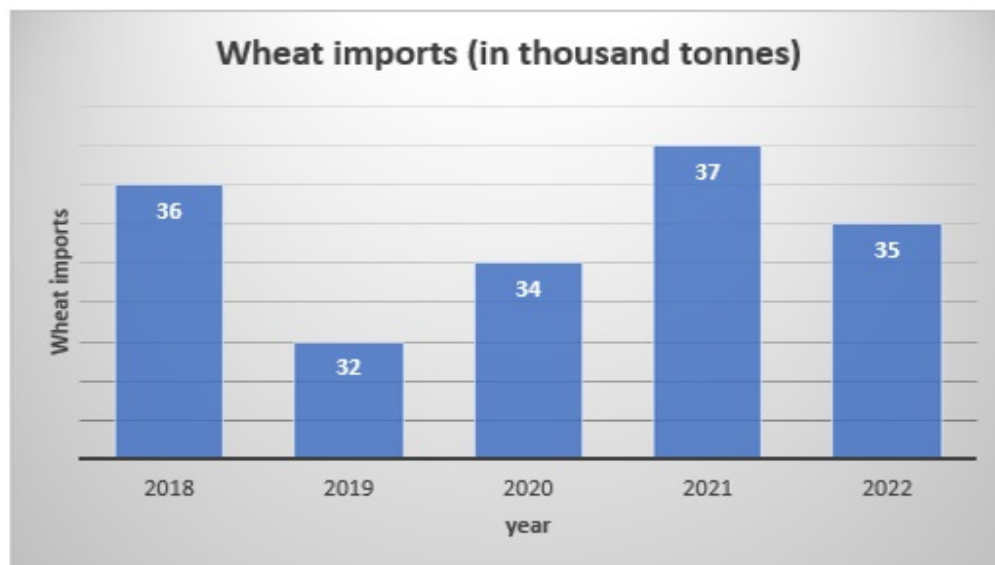
Q.8 Shantanu's income decreased from ₹42,800 to ₹37,236. Find the percentage decrease in his income.

- Ans
- ☒ 1. 13%
 - ☐ 2. 12%
 - ☐ 3. 11%
 - ☐ 4. 14%

Q.9 Two circles of radii 3 units and r units, respectively, have a 6 units distance between their centers. If the length of the **direct** common tangent is $\sqrt{35}$ units, then the value of r is ____ units.

- Ans
- ☐ 1. 3
 - ☐ 2. 5
 - ☐ 3. 6
 - ☒ 4. 4

Q.10 The following graph shows the wheat imports (in thousand tonnes) over the five years:



What is the ratio of the years which have below-average imports to those which have above-average imports?

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

Q.11 $\triangle ABC \sim \triangle EDF$ and $\text{area}(\triangle ABC) : \text{area}(\triangle EDF) = 1 : 4$. If $AB = 7$ cm, $BC = 8$ cm and $CA = 9$ cm, then DF is equal to:

- Ans
- ☒ 1. 16 cm
 - ☐ 2. 14 cm
 - ☐ 3. 18 cm
 - ☐ 4. 12 cm

Q.12 $\triangle ABC$ and $\triangle DEF$ are similar triangles, and their areas are 81 cm^2 and 144 cm^2 , respectively. If $EF = 20$ cm, then what is the value of BC ?

- Ans
- ☐ 1. 13 cm
 - ☐ 2. 9 cm
 - ☐ 3. 12 cm
 - ☒ 4. 15 cm

Q.13 In two successive years, 75 and 50 employees of a company appeared at the departmental examination. Respectively, 84% and 52% of them passed. The average rate of pass percentage is:

- Ans
- ☒ 1. $71\frac{1}{5}\%$
 - ☐ 2. 41%
 - ☐ 3. $41\frac{1}{5}\%$
 - ☐ 4. 71%

Q.14 Out of a class of 200 people, 50 people's average marks is 40, and the remaining 150 people's average is 60. Find the people's weighted average.

- Ans
- ☐ 1. 200
 - ☒ 2. 55
 - ☐ 3. 50
 - ☐ 4. 150

Q.15 In how many years will a sum of ₹4,250 yield a simple interest of ₹510 at a rate of 6% per annum?

- Ans
- ☐ 1. 3 years
 - ☐ 2. $3\frac{1}{2}$ years
 - ☒ 3. 2 years
 - ☐ 4. $2\frac{1}{2}$ years

Q.16 Find the whole surface area of a cuboid having a length of 19 cm, breadth of 9 cm and height of 4.5 cm.

- Ans
- ☒ 1. 594 cm^2
 - ☐ 2. 619 cm^2
 - ☐ 3. 917 cm^2
 - ☐ 4. 497 cm^2

Q.17 The surface area of a spherical ball is 1386 cm^2 . What will be its volume?

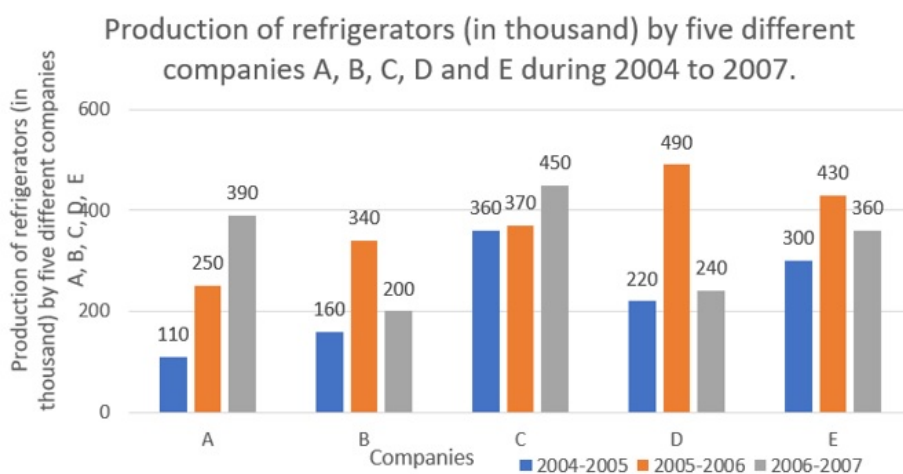
- Ans
- ☐ 1. 5000 cm^3
 - ☐ 2. 4825 cm^3
 - ☐ 3. 4800 cm^3
 - ☒ 4. 4851 cm^3

Q.18 Teena does half of a task in 6 days. Later, with Shyam's help, she completes the remaining work in 4 days. Shyam alone can finish the entire work in:

- Ans
- ☒ 1. 24 days
 - ☐ 2. 12 days
 - ☐ 3. 18 days
 - ☐ 4. 21 days

Q.19 Study the given bar-graph and answer the question that follows.

The bar-graph shows the production of refrigerators (in thousand) by five different companies A, B, C, D and E during 2004 to 2007.



What is the difference between 60% of the average production of refrigerators by all the companies for the year 2005-2006 and 70% of the average of all the companies in 2006-2007?

- Ans
- ☐ 1. 4
 - ☒ 2. 4000
 - ☐ 3. 40
 - ☐ 4. 400

Q.20 A shopkeeper sold an article at a 26% profit. On selling it for ₹2,250 more, he would get a profit of 41%. If this article is sold at 12% profit, then the selling price would be:

- Ans
- ☐ 1. ₹15,800
 - ☒ 2. ₹16,800
 - ☐ 3. ₹16,120
 - ☐ 4. ₹15,000

Q.21 The cost price of a fan is ₹4,400. A merchant wants to make a 24% profit by selling it. At the time of sale, merchant declares a discount of 12% on the marked price. Find the marked price.

- Ans
- ☒ 1. ₹6,200
 - ☐ 2. ₹2,060
 - ☐ 3. ₹6,020
 - ☐ 4. ₹2,600

Q.22

Simplify $\frac{\sin 60^\circ - \cos 60^\circ}{\sin 60^\circ + \cos 60^\circ}$.

Ans

- ✗ 1. $2 + \sqrt{3}$
- ✗ 2. $\sqrt{3} - 2$
- ✓ 3. $2 - \sqrt{3}$
- ✗ 4. $\sqrt{3} - 1$

Q.23

The price of a product increases by 10% in the first year and 20% in the second year. What is the overall percentage increase in the price of the product over the two years?

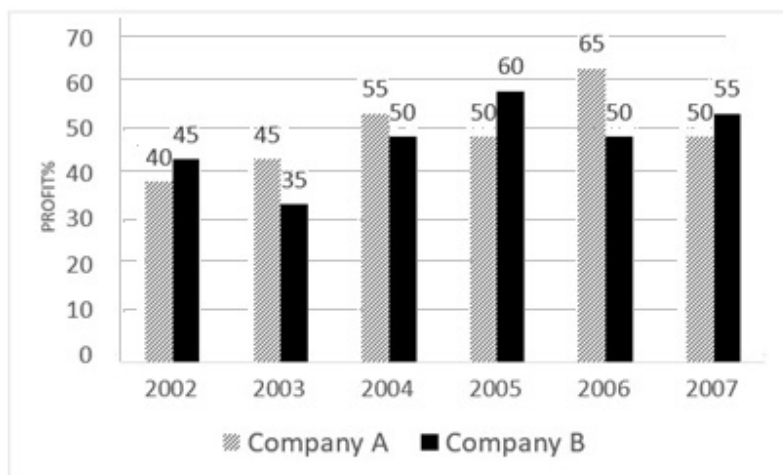
Ans

- ✓ 1. 32%
- ✗ 2. 36%
- ✗ 3. 28%
- ✗ 4. 30%

Q.24

Study the following graph and answer the question that follows.

The following bar graph shows the percentage profit earned by two companies A and B over the given years.



The incomes of two companies A and B in 2006 were in the ratio 3 : 4, respectively. What was the respective ratio of their expenditures in 2006?

Ans

- ✗ 1. 14 : 19
- ✗ 2. 7 : 22
- ✗ 3. 27 : 35
- ✓ 4. 15 : 22

Q.25

Let C be a circle with center O and PQ be the diameter of C. Let AB be a chord on C. If $\angle QOB = 40^\circ$, $\angle AOP = 80^\circ$, then find $\angle AOB$.

Ans

- ✗ 1. 70°
- ✗ 2. 100°
- ✗ 3. 90°
- ✓ 4. 60°

Section : General Awareness

Q.1 For which of the following discoveries in 1827 was the German physicist, Georg Simon Ohm best known?

Ans

- ✓ 1. For clarifying the mathematical relationship between electrical current, resistance and voltage
- ✗ 2. For measuring the magnetic properties of nuclear particles
- ✗ 3. For developing a device capable of amplifying and modulating electromagnetic signals that could also function as an oscillator
- ✗ 4. For invention of the magnetometer, which is a device capable of measuring the direction and strength of a magnetic field

Q.2 The Sun Temple at Konark was built under the rule of which dynasty?

- Ans**
- ☐ 1. Pallava Dynasty
 - ☐ 2. Rashtrakuta Dynasty
 - ☐ 3. Pandya Dynasty
 - ☒ 4. Eastern Ganga Dynasty

Q.3 From which of the following states was Vibrant Village programme launched, on 10 April 2023?

- Ans**
- ☐ 1. Sikkim
 - ☐ 2. Nagaland
 - ☐ 3. Mizoram
 - ☒ 4. Arunachal Pradesh

Q.4 Match India's neighbouring countries in column A with their official languages in column B.

Column A (Country names)	Column B (Official Languages)
1. Sri Lanka	a. Mandarin
2. China	b. Burmese
3. Myanmar	c. Tamil
4. Bhutan	d. Dzongkha

- Ans**
- ☐ 1. 1-d, 2-a, 3-b, 4-c
 - ☐ 2. 1-a, 2-b, 3-c, 4-d
 - ☒ 3. 1-c, 2-a, 3-b, 4-d
 - ☐ 4. 1-b, 2-a, 3-c, 4-d

Q.5 Which of the following Sections of the Indian Penal Code deals with 'rape'?

- Ans**
- ☒ 1. Section 375
 - ☐ 2. Section 370
 - ☐ 3. Section 380
 - ☐ 4. Section 385

Q.6 The Lucknow Gharana which came into existence in the time of Wajid Ali Shah was developed by who among the following?

- Ans**
- ☐ 1. Pandit Kalka Prasad
 - ☐ 2. Pandit Bindawar Prasad
 - ☐ 3. Ustad Bakhtawar Khan
 - ☒ 4. Pandit Thakur Prasad

Q.7 Which Article of the Constitution of India vests plenary powers in Parliament to legislate on the subject of citizenship?

- Ans**
- ☐ 1. Article 5
 - ☐ 2. Article 8
 - ☐ 3. Article 6
 - ☒ 4. Article 11

Q.8 As of 2022, which is the tallest hydroelectric power plant in India?

- Ans**
- ☒ 1. Tehri Hydroelectric Power Plant
 - ☐ 2. Nathpa Jhakri Power plant
 - ☐ 3. Koyna Hydroelectric Power Plant
 - ☐ 4. Sardar Sarovar Hydropower Plant

Q.9 Which writ literally means 'what is your authority'?

- Ans**
- ☒ 1. Quo-Warranto
 - ☐ 2. Habeas Corpus
 - ☐ 3. Prohibition
 - ☐ 4. Mandamus

Q.10 Select the INCORRECT pair of the location of the refinery and its state from the following

- Ans**
- ☒ 1. Tatipaka Refinery – Telangana
 - ☐ 2. Numaligarh Refinery – Assam
 - ☐ 3. Bina Refinery – Madhya Pradesh
 - ☐ 4. Koyali Refinery – Gujarat

Q.11 Which of the following statements is INCORRECT with respect to High Yielding Varieties (HYVs)?

- Ans**
- ☐ 1. They made green revolution technology as land-saving technology.
 - ☐ 2. HYVs had a shorter period of maturity.
 - ☐ 3. The usage of HYVs was complemented with the attraction of more investment in farm machines.
 - ☒ 4. HYVs led to decrease in the cropping intensity.

Q.12 In badminton, 0 points is called _____.

- Ans**
- ☒ 1. love
 - ☐ 2. in
 - ☐ 3. play
 - ☐ 4. out

Q.13 Who was the Indian Buddhist monk who is credited with the development of many ancient martial art forms in the 5th century?

- Ans**
- ☐ 1. Bodhiruchi
 - ☐ 2. Atisa
 - ☒ 3. Bodhidharma
 - ☐ 4. Paramartha

Q.14 Which of the following is a rare group of genetic disorders caused by mutations of certain genes affecting the colour (pigmentation) of the skin, hair and eyes?

- Ans**
- ☐ 1. Alagille syndrome
 - ☐ 2. Angelman syndrome
 - ☐ 3. Alkaptonuria
 - ☒ 4. Albinism

Q.15 The _____ results from an increase in the proportion of workers relative to non-workers in the population.

- Ans**
- ☐ 1. old-age dependency ratio
 - ☐ 2. population momentum
 - ☐ 3. age structure of population
 - ☒ 4. demographic dividend

Q.16 Which of the following planets does NOT have rings?

- Ans**
- ☐ 1. Jupiter
 - ☒ 2. Venus
 - ☐ 3. Saturn
 - ☐ 4. Uranus

Q.17 In Microsoft Word, the Mail Merge Wizard is located under the _____ tab.

- Ans**
- ☐ 1. Review
 - ☒ 2. Mailings
 - ☐ 3. Insert
 - ☐ 4. Home

Q.18 Which folk music does NOT belong to Tamil Nadu?

- Ans**
- ☒ 1. Khubakeshei
 - ☐ 2. Nattupura
 - ☐ 3. Ammanaivari
 - ☐ 4. Villu Pattu

Q.19 What is the keyboard shortcut for inserting a new slide into an MS-PowerPoint presentation?

- Ans**
- ☐ 1. Ctrl + X
 - ☒ 2. Ctrl + M
 - ☐ 3. Ctrl + S
 - ☐ 4. Ctrl + N

Q.20 What is the name of the famous British social reformer known for founding the Indian Home Rule League in 1916?

- Ans**
- ☐ 1. Maria Rye
 - ☐ 2. Catherine Osler
 - ☐ 3. Anne Knight
 - ☒ 4. Annie Besant

Q.21 What is a revenue deficit in the government budget?

- Ans**
- ☒ 1. The excess of expenditure over revenue, including interest payments on debt
 - ☐ 2. The excess of expenditure over revenue, excluding interest payments on debt
 - ☐ 3. The excess of revenue over expenditure, excluding interest payments on debt
 - ☐ 4. The excess of revenue over expenditure, including interest payments on debt

Q.22 In Fencing, a defensive blade movement that blocks the opponent's offensive action is called _____.

- Ans**
- ☐ 1. saber
 - ☒ 2. parry
 - ☐ 3. reprise
 - ☐ 4. redoublement

Q.23 Which of the following types is NOT an element of classical Carnatic music?

- Ans**
- ☐ 1. Sthayi
 - ☐ 2. Padam
 - ☒ 3. Thumri
 - ☐ 4. Kritis

Q.24 Who was the chief guest at the first Republic Day celebration of India in 1950?

- Ans**
- ☐ 1. Kwame Nkrumah
 - ☐ 2. Gamal Abdel Nasser
 - ☐ 3. Josip Broz Tito
 - ☒ 4. Sukarno

Q.25 In which of the following years was the Juvenile Justice (Care and Protection of Children) Act, 2015 amended?

- Ans**
- ☒ 1. 2021
 - ☐ 2. 2013
 - ☐ 3. 2015
 - ☐ 4. 2019