

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	
Exam Date	11/07/2024
Exam Time	9:00 AM - 10:00 AM
Subject	CHSL Exam 2024 Tier I

Q.1 Parts of the following sentence have been given as options. Select the option that contains an error.

She was fond of walking along the path besides the lake.

- Ans ☒ 1. along the path
☒ 2. besides the lake
☒ 3. She was
☒ 4. fond of walking

Q.2 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error mark 'No error' as your answer.

Father took the newspaper / in his hand to / go through it once again.

- Ans ☒ 1. No error
☒ 2. in his hand to
☒ 3. go through it once again
☒ 4. Father took the newspaper

Q.3 Parts of the following sentence have been underlined and given as options. Select the option that contains an error.

Policeman came to my village and asked about a person who burgled a house last night.

- Ans ☒ 1. policeman
☒ 2. a house
☒ 3. my village
☒ 4. a person

Q.4 Select the option that will improve the given sentence by using the most appropriate verb.

Soorya walking to college every day.

- Ans ☒ 1. Soorya walk to college every day.
☒ 2. Soorya walked to college every day.
☒ 3. Soorya have walked to college every day.
☒ 4. Soorya is walking to college every day.

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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.

What is literacy? It is the golden key that (1)_____ the gates to a whole new world. It heralds the dawn of a new (2)_____. But the media hype seems to give the impression that literacy simply means the ability to sign one's name, instead of putting thumb impression. Isn't that a very (3)_____, simplistic interpretation of the word?

Taking up this narrow meaning of the word, politicians proclaim that their states have achieved 80 or 90 per cent literacy or even (4)_____. But quite often, what happens is, once the training course is over, to produce (5)_____, the neo-literates soon lapse into illiteracy.

SubQuestion No : 5

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

Ans ☒ 1. controls

☒ 2. opens

☒ 3. leads

☒ 4. closes

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.

What is literacy? It is the golden key that (1)_____ the gates to a whole new world. It heralds the dawn of a new (2)_____. But the media hype seems to give the impression that literacy simply means the ability to sign one's name, instead of putting thumb impression. Isn't that a very (3)_____, simplistic interpretation of the word?

Taking up this narrow meaning of the word, politicians proclaim that their states have achieved 80 or 90 per cent literacy or even (4)_____. But quite often, what happens is, once the training course is over, to produce (5)_____, the neo-literates soon lapse into illiteracy.

SubQuestion No : 6

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

Ans ☒ 1. day

☒ 2. year

☒ 3. month

☒ 4. season

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.

What is literacy? It is the golden key that (1)_____ the gates to a whole new world. It heralds the dawn of a new (2)_____. But the media hype seems to give the impression that literacy simply means the ability to sign one's name, instead of putting thumb impression. Isn't that a very (3)_____, simplistic interpretation of the word?

Taking up this narrow meaning of the word, politicians proclaim that their states have achieved 80 or 90 per cent literacy or even (4)_____. But quite often, what happens is, once the training course is over, to produce (5)_____, the neo-literates soon lapse into illiteracy.

SubQuestion No : 7

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

Ans ☒ 1. wide

☒ 2. daunted

☒ 3. limited

☒ 4. small

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.

What is literacy? It is the golden key that (1)_____ the gates to a whole new world. It heralds the dawn of a new (2)_____. But the media hype seems to give the impression that literacy simply means the ability to sign one's name, instead of putting thumb impression. Isn't that a very (3)_____, simplistic interpretation of the word?

Taking up this narrow meaning of the word, politicians proclaim that their states have achieved 80 or 90 per cent literacy or even (4)_____. But quite often, what happens is, once the training course is over, to produce (5)_____, the neo-literates soon lapse into illiteracy.

SubQuestion No : 8

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

- Ans ☒ 1. moderate
☒ 2. better
☒ 3. higher
☒ 4. lower

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.

What is literacy? It is the golden key that (1)_____ the gates to a whole new world. It heralds the dawn of a new (2)_____. But the media hype seems to give the impression that literacy simply means the ability to sign one's name, instead of putting thumb impression. Isn't that a very (3)_____, simplistic interpretation of the word?

Taking up this narrow meaning of the word, politicians proclaim that their states have achieved 80 or 90 per cent literacy or even (4)_____. But quite often, what happens is, once the training course is over, to produce (5)_____, the neo-literates soon lapse into illiteracy.

SubQuestion No : 9

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

- Ans ☒ 1. beginners
☒ 2. literates
☒ 3. pupils
☒ 4. education

Q.10 Select the most appropriate **ANTONYM** of the underlined word in the given sentence.

He is not friendly with him in the office.

- Ans ☒ 1. Gregarious
☒ 2. Revel
☒ 3. Intelligent
☒ 4. Hostile

Q.11 Identify the most appropriate **ANTONYM** of the given word.

He worked alone as he did not want anyone to hamper his project.

- Ans ☒ 1. Help
☒ 2. Impede
☒ 3. Care
☒ 4. Finish

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

Indigenous

- Ans ☒ 1. Aboriginal
☒ 2. Artificial
☒ 3. Tangible
☒ 4. Literary

Q.13 Select the most appropriate collocation to fill in the blank.

Ujjwal was imprisoned for _____ a crime.

- Ans ☒ 1. committing
☒ 2. making
☒ 3. undertaking
☒ 4. involving

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'.

I cannot use my office at the moment because it being painted.

- Ans ☒ 1. it has being painted
☒ 2. it is being painted
☒ 3. No substitution required
☒ 4. it had been paint

Q.15 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

When Serena / will arrive, / she will / call you.

- Ans ☒ 1. will arrive
☒ 2. When Serena
☒ 3. call you
☒ 4. she will

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

A sting in the tail

- Ans ☒ 1. A situation in which a large group has to do something to satisfy a small group
☒ 2. Something which seems bad at first but contains a pleasant part at the end
☒ 3. To initiate a situation that is very complicated or problematic
☒ 4. An unexpected, typically unpleasant or problematic end to something

Q.17 Select the most appropriate synonym of the given word.

Magnificent

- Ans ☒ 1. Regular
☒ 2. Humble
☒ 3. Modest
☒ 4. Splendid

Q.18 Select the most appropriate option that can substitute the underlined segment in the given sentence.

No sooner did we reach at the party that it began to rain.

- Ans
- ☒ 1. before it began to rain
 - ☒ 2. as it began to rain
 - ☒ 3. it began to rain
 - ☒ 4. than it began to rain

Q.19 Select the most appropriate synonym of 'amazement' to fill the blank.

Leena was filled with _____ when she saw the diamond ring as her wedding gift.

- Ans
- ☒ 1. astonishment
 - ☒ 2. measurement
 - ☒ 3. happiness
 - ☒ 4. haughtiness

Q.20 Identify the INCORRECTLY spelt word in the following sentence.

To avoid indigestion, it is necessary to chew food properly.

- Ans
- ☒ 1. chew
 - ☒ 2. necessary
 - ☒ 3. indigestion
 - ☒ 4. properly

Q.21 Select the most appropriate pair of words to fill in the blanks.

Yesterday, he _____ pizza and _____ burgers in one go.

- Ans
- ☒ 1. ate; eight
 - ☒ 2. eight; ate
 - ☒ 3. eight; eight
 - ☒ 4. ate; ate

Q.22 Select the most appropriate meaning of the given idiom.

Gift of the gab

- Ans
- ☒ 1. Humorous
 - ☒ 2. Talent for speaking
 - ☒ 3. Witty
 - ☒ 4. Talent for singing

Q.23 Select the most appropriate option that can substitute the underlined words in the following sentence.

The interdisciplinary approach utilised in this study facilitates comprehensive understanding of the complex phenomenon under investigation.

- Ans
- ☒ 1. is facilitates a comprehensive understanding
 - ☒ 2. will have facilitated a comprehensive understanding
 - ☒ 3. utilises a comprehensive understanding
 - ☒ 4. facilitated a comprehensive understanding

Q.24 Select the most appropriate spelling of the underlined word in the given sentence.
He lost all senisation in his legs through a cramp.

- Ans ☒ 1. syansation
☒ 2. sansation
☒ 3. sensation
☒ 4. sensition

Q.25 Select the most appropriate ANTONYM of the given word.
Abandon

- Ans ☒ 1. Adopt
☒ 2. Surrender
☒ 3. Destroy
☒ 4. Randomize

Q.1 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 100?

- Ans ☒ 1. 15 B 9 D 810 A 9 C 55
☒ 2. 15 C 9 D 810 A 9 B 55
☒ 3. 15 A 9 D 810 B 9 C 55
☒ 4. 15 D 9 B 810 A 9 C 55

Q.2 Select the correct option that when filled in the blanks in the same sequence will make the series logically complete.
QUAI_Q_YIL_U_ILQUU_L

- Ans ☒ 1. LUQWI
☒ 2. LIQAU
☒ 3. LXIUQ
☒ 4. LWQUI

Q.3 In a certain code language, 'DZLV' is coded as 'HDJT' and 'CQYH' is coded as 'GUWF'. What is the code for 'MTBE' in the given code language?

- Ans ☒ 1. QXZC
☒ 2. YZXB
☒ 3. QZYB
☒ 4. YAYB

Q.4 If 24 July 1999 was Saturday, then what was the day of the week on 28 July 2003?

- Ans ☒ 1. Tuesday
☒ 2. Monday
☒ 3. Saturday
☒ 4. Sunday

Q.5 In a certain language,
A & B means A is the wife of B,
A ÷ B means A is the daughter of B,
A × B means A is the son of B,
A + B means A is the sister of B and
A @ B means A is the father of B.
P & Q @ L + T & U @ V
Based on the above, how is Q related to V?

- Ans ☒ 1. Mother's father
☐ 2. Sister
☐ 3. Mother
☐ 4. Father's mother

Q.6 JHDC is related to KGEB in a certain way based on the English alphabetical order. In the same way, QOKJ is related to RNLI. To which of the following is USON related, following the same logic?

- Ans ☐ 1. VRQM
☒ 2. VRPM
☐ 3. VSQM
☐ 4. VSPM

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 ladders are chairs.

All chairs are tables.

No table is a stair.

Conclusions:

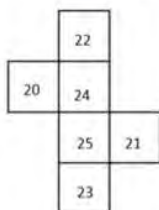
I. Some tables are ladders.

II. No chair is a stair.

III. Some ladders are stairs.

- Ans ☐ 1. Only conclusion III follows.
☐ 2. Only conclusion I follows.
☒ 3. Both conclusions I and II follow.
☐ 4. Only conclusion II follows.

Q.8 What would be the number on the opposite side of '23' if the given sheet is folded to form a cube?



- Ans
- ☒ 1. 22
 - ☒ 2. 20
 - ☒ 3. 21
 - ☒ 4. 24

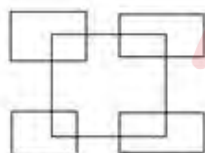
Q.9 In a certain code language, 'BORN' is coded as '8234' and 'NORM' is coded as '6328'. How is 'M' coded in the given language?

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

Q.10 What should come in place of the question mark (?) in the given series?
33, 61, 117, 229, ?

- Ans
- ☒ 1. 354
 - ☒ 2. 543
 - ☒ 3. 435
 - ☒ 4. 453

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

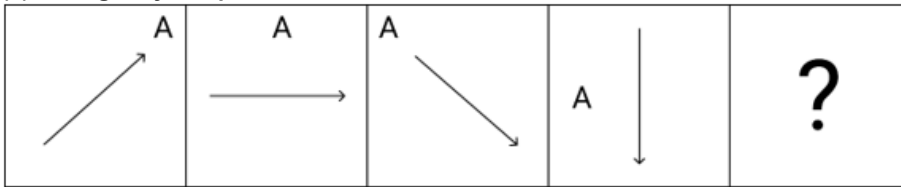


- Ans
- ☒ 1. 10
 - ☒ 2. 5
 - ☒ 3. 7
 - ☒ 4. 9

Q.12 14 is related to 43 by certain logic. Following the same logic, 17 is related to 52. To which of the following is 19 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. 57
 - ☒ 2. 38
 - ☒ 3. 50
 - ☒ 4. 58

Q.13 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series?

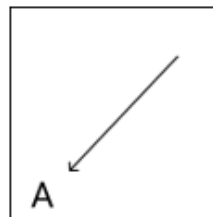


Ans

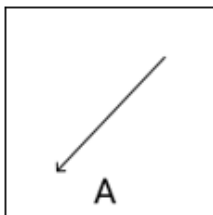
 1.



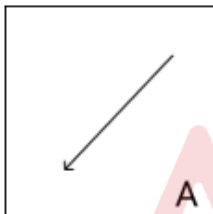
 2.



 3.



 4.



Q.14 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).

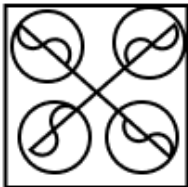


Ans

☒ 1.



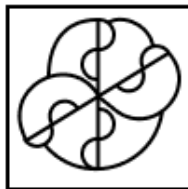
☒ 2.



☒ 3.



☒ 4.



Q.15 Which of the following numbers will replace the question mark (?) in the given series?

214 111 179 126 144 141 109 156 ?

Ans ☒ 1. 61

☒ 2. 96

☒ 3. 89

☒ 4. 74

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

$$204 \times 6 - 6 \div 4 + 7 = ?$$

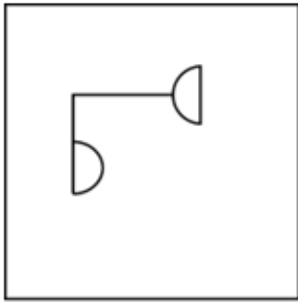
Ans ☒ 1. 41

☒ 2. 51

☒ 3. 31

☒ 4. 21

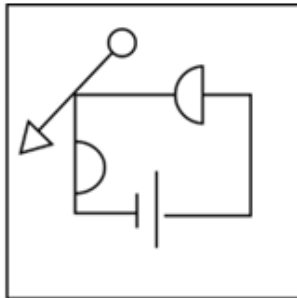
Q.17 Select the option in which the given figure X is embedded (rotation is NOT allowed).



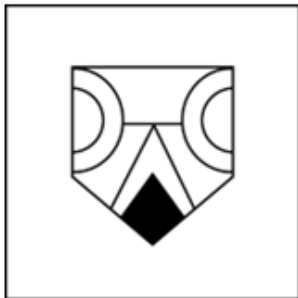
(X)

Ans

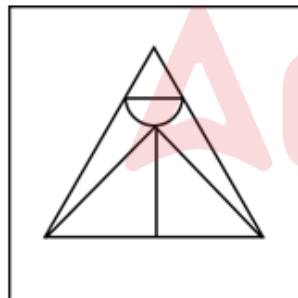
✓ 1.



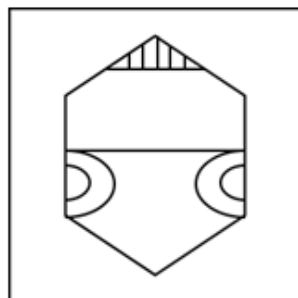
✗ 2.



✗ 3.



✗ 4.



Q.18 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.)

(12, 4, 16)

(27, 9, 36)

Ans ☒ 1. (39, 13, 52)

☐ 2. (37, 13, 52)

☐ 3. (39, 13, 54)

☐ 4. (39, 15, 52)

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.)

Leaf : Oak

Ans ☒ 1. Needle : Pine

☐ 2. Tree : Forest

☐ 3. Berry : Fruit

☐ 4. Bulb : Tulip

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?

62 B 2 D 190 A 5 C 7 = ?

Ans ☐ 1. 91

☒ 2. 93

☐ 3. 92

☐ 4. 90

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

66, 77, 99, 132, 176, ?

Ans ☒ 1. 231

☐ 2. 232

☐ 3. 230

☐ 4. 233

Q.22 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. PKRI

☐ 2. MNOL

☐ 3. AZCX

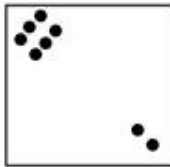
☒ 4. PLRI

Q.23 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the end. How would the paper look when unfolded?

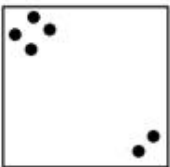


Ans

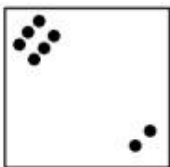
✓ 1.



✗ 2.



✗ 3.



✗ 4.



Q.24 GJHK is related to IMKM in a certain way based on the English alphabetical order. In the same way, QTRU is related to SWUW. To which of the following is ILJM related, following the same logic?

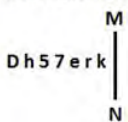
Ans ✗ 1. KPNP

✓ 2. KOMO

✗ 3. KMON

✗ 4. KNMN

Q.25 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans

✗ 1. k1e72h0

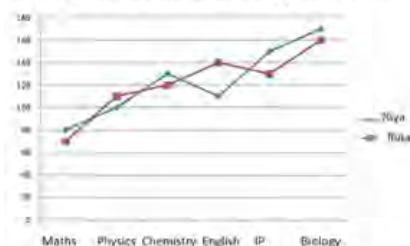
✓ 2. Dh57erk

✗ 3. Dh57erk

✗ 4. Dh57erk

Q.1 Study the given graph and answer the question that follows.

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



What is the difference between the percentage of marks obtained by Riya and Rida in IP?

- Ans
- ☒ 1. 19 %
 - ☒ 2. 11.11%
 - ☒ 3. 20%
 - ☒ 4. 31 %

Q.2 The value of $\left(\frac{\sin \theta}{1 + \cos \theta} + \frac{1 + \cos \theta}{\sin \theta}\right) \left(\frac{1}{\tan \theta + \cot \theta}\right)$ is equal to:

- Ans
- ☒ 1. $\tan \theta$
 - ☒ 2. $2 \sin \theta$
 - ☒ 3. $2 \cos \theta$
 - ☒ 4. 1

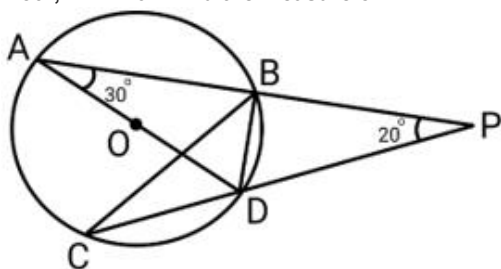
Q.3 The given table represents the percentage marks of three students in three subjects. Study the table and answer the question.

subject \ Student	Geography	History	Economics
Rohan	78	77	74
Sohan	84	80	82
Mohan	87	83	86

The average marks (to the nearest integer) obtained by the students in History and Economics (repectively) are:

- Ans
- ☒ 1. 80 and 81
 - ☒ 2. 78 and 80
 - ☒ 3. 81 and 80
 - ☒ 4. 80 and 78

Q.4 PBA and PDC are two secants. AD is the diameter of the circle with the centre at O. $\angle A = 30^\circ$, $\angle P = 20^\circ$. Find the measure of $\angle DBC$.



- Ans
- ☐ 1. 45°
 - ☐ 2. 30°
 - ☐ 3. 50°
 - ☒ 4. 40°

Q.5 Nirmal completed the school project in 45 days. How many days will Amit take to complete the same work if he is 25% more efficient than Nirmal?

- Ans
- ☐ 1. 30
 - ☐ 2. 25
 - ☒ 3. 36
 - ☐ 4. 38

Q.6 The following table shows the loan disbursed by four banks (in Crores) over four years:

Banks	2016	2017	2018	2019
A	10	15	20	22
B	5	10	15	18
C	20	25	15	20
D	5	10	25	20

In which year total disbursement of loans of banks A and B is exactly equal to the total disbursement of loans of banks C and D?

- Ans
- ☒ 1. 2019
 - ☐ 2. 2017
 - ☐ 3. 2016
 - ☐ 4. 2018

Q.7 A laptop charger is sold for Rs.2,540 in cash or for a down payment of Rs.1,340 in cash together with Rs.1,205 to be paid after one month. Find the rate of interest charged in the instalment scheme.

- Ans
- ☒ 1. 5% p.a.
 - ☐ 2. 10% p.a.
 - ☐ 3. 15% p.a.
 - ☐ 4. 20% p.a.

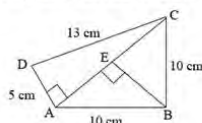
Q.8 Find the surface area (in cm^2) of a cardboard box in the shape of a cuboid whose length is 60 cm, breadth is half its length and height is one-third of its breadth.

- Ans**
- ☒ 1. 2700
 - ☒ 2. 10800
 - ☒ 3. 8100
 - ☒ 4. 5400

Q.9 What is the value of $\frac{\left[\frac{1}{4} \div \frac{1}{4} \times \frac{1}{4}\right] \times \frac{1}{4}}{\left[\frac{1}{8} + \frac{1}{8} \times \frac{1}{8}\right]} + \left(1 - \frac{4}{9}\right)$?

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

Q.10 What is the area of a quadrilateral ABCD, (shown below) in which sides AB and BC are equal, sides AD and CD are of lengths 5 cm and 13 cm, respectively, and side AD is perpendicular to the diagonal AC?



- Ans**
- ☒ 1. 78 cm^2
 - ☒ 2. 75 cm^2
 - ☒ 3. 82 cm^2
 - ☒ 4. 80 cm^2

Q.11 The ratio of red to green sweets in a bag is 3 : 4. How many red sweets are there in the bag if the number of green sweets is 120?

- Ans**
- ☒ 1. 80
 - ☒ 2. 100
 - ☒ 3. 70
 - ☒ 4. 90

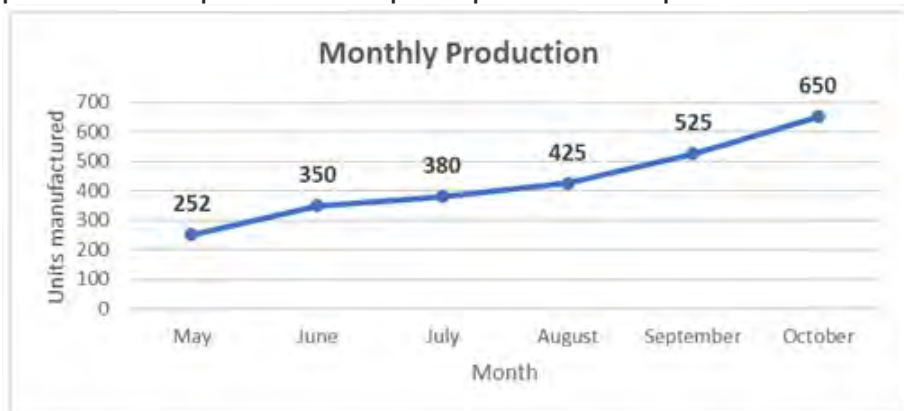
Q.12 The average age of Ruby and Soni is 40 years. The ratio of their ages is 11 : 5, respectively. What is the age (in years) of Soni?

- Ans**
- ☒ 1. 25
 - ☒ 2. 15
 - ☒ 3. 55
 - ☒ 4. 30

Q.13 By selling an article for ₹2,160, Prashant allows a 20% discount and earns 28% profit. If the article is sold without any discount, the profit will be:

- Ans**
- ☒ 1. 50%
 - ☒ 2. 55%
 - ☒ 3. 65%
 - ☒ 4. 60%

Q.14 The following line graph shows the units manufactured by a company in some months. In which month did the company report the highest growth (in %) in production as compared with the respective previous month's production?



- Ans
- ☒ 1. July
 - ☒ 2. October
 - ☒ 3. June
 - ☒ 4. September

Q.15 The population of a village was 4,00,000. It increased by 20% in the first year and increased by 30% in the second year. Its population after two years is _____.

- Ans
- ☒ 1. 6,25,000
 - ☒ 2. 5,40,000
 - ☒ 3. 5,20,000
 - ☒ 4. 6,24,000

Q.16 A solid metallic sphere of radius 6 cm is melted and recast into spherical balls of radius 3 cm. The number of spherical balls thus obtained is:

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

Q.17 The sum of two numbers is 76. Three times the larger number is 46 more than four times the smaller one. Find the two numbers.

- Ans
- ☒ 1. 44 and 32
 - ☒ 2. 50 and 26
 - ☒ 3. 40 and 36
 - ☒ 4. 35 and 41

Q.18 A police travelling at 65 km/h is chasing a thief who is 1200 m away from him and is travelling at 41 km/h. Find the time taken by the policeman to catch the thief.

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

Q.19 A number increased by 20% gives 240. Find the number.

- Ans
- ☐ 1. 250
 - ☐ 2. 280
 - ☒ 3. 200
 - ☐ 4. 240

Q.20 By what percentage should a racer increase the speed to reduce the time by 25% to cover a fixed distance?

- Ans
- ☐ 1. 41%
 - ☒ 2. $33\frac{1}{3}\%$
 - ☐ 3. 31%
 - ☐ 4. $37\frac{1}{3}\%$

Q.21 If the number 6p5157q is divisible by 88, then $p \times q = \underline{\hspace{2cm}}$, where p and q are single digit numbers.

- Ans
- ☐ 1. 12
 - ☒ 2. 18
 - ☐ 3. 20
 - ☐ 4. 15

Q.22 PQR is a triangle. MN is a line segment intersecting PQ in M and PR in N such that $MN \parallel QR$ and divides ΔPQR into two parts, which are equal in area. What is the ratio of MQ to PQ?

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

Q.23 From a circle of radius r units, the largest equilateral triangle is cut out. What is the length (in units) of the side of the triangle?

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

Q.24 Find the altitude (in cm) from the vertex Q to side PR of triangle PQR with side lengths PQ = 40 cm, PR = 40 cm and QR = 60 cm.

- Ans
- ☒ 1. $25\sqrt{7}$
 - ☒ 2. $20\sqrt{7}$
 - ☒ 3. $15\sqrt{7}$
 - ☒ 4. $30\sqrt{7}$

Q.25 A shopkeeper sells goods at 40% loss on cost price but uses 25% less weight. What is his percentage profit or loss?

- Ans
- ☒ 1. Loss, 10%
 - ☒ 2. Profit, 10%
 - ☒ 3. Loss, 20%
 - ☒ 4. Profit, 20%

Q.1 Which Commission drew the boundary line between India and Pakistan?

- Ans
- ☒ 1. Radcliffe Boundary Commission
 - ☒ 2. Gandhi Irwin Pact
 - ☒ 3. Hilton Young Commission
 - ☒ 4. Bretton woods Commission

Q.2 Which Indian festival is a festival of lights?

- Ans
- ☒ 1. Bihu
 - ☒ 2. Holi
 - ☒ 3. Onam
 - ☒ 4. Diwali

Q.3 What is/are the objective(s) of Fiscal Policy?
1) Boost growth
2) Control inflation

- Ans
- ☒ 1. Both 1 and 2
 - ☒ 2. Only 2
 - ☒ 3. Only 1
 - ☒ 4. Neither 1 nor 2

Q.4 Which of the following statements most accurately describes the Cyclostomata group?

- Ans
- ☒ 1. Their skin is covered with scales/plates and their hearts have only two chambers.
 - ☒ 2. They are ectothermic animals having mucus glands in the skin, and a three-chambered heart.
 - ☒ 3. They are warm-blooded, oviparous, bipedal, feathered, winged and toothless vertebrates.
 - ☒ 4. They are characterised by having an elongated eel-like body, circular mouth, slimy skin and are scaleless.

Q.5 In Microsoft Office, how is the font size determined?

- Ans ☒ 1. Pixels
☒ 2. Points
☐ 3. Inches
☐ 4. Centimetres

Q.6 The Parliament of India has passed the 86th Constitutional Amendment Act 2002, which establishes the basic rights of primary education for children between:

- Ans ☒ 1. 6-14 Years
☐ 2. 7-16 Years
☐ 3. 5-11 years
☐ 4. 6-17 Years

Q.7 _____ was named as the new Shiv Sena president at the party national executive meeting in Mumbai in 2023.

- Ans ☒ 1. Eknath Shinde
☐ 2. Narayan Rane
☐ 3. Rahul Ramesh Shewale
☐ 4. Aditya Uddhav Thackeray

Q.8 The famous folk music of Rajasthan that was developed in royal courts is known as:

- Ans ☒ 1. Maand
☐ 2. Lavani
☐ 3. Sohar
☐ 4. Dandiya

Q.9 Where did India win its last Olympic medal in men's hockey? (As of March, 2024).

- Ans ☐ 1. Rio
☒ 2. Tokyo
☐ 3. Munich
☐ 4. Mexico City

Q.10 Delhi ridge is the water divide between which of the following rivers?

- Ans ☐ 1. Ganges and Sind
☐ 2. Indus and Mahi
☒ 3. Ganges and Indus
☐ 4. Ganges and Yamuna

Q.11 In which Gharana do singers perform the Khandhar Vani and Gauhar Vani?

- Ans ☐ 1. Dagari Gharana
☐ 2. Bettiah Gharana
☐ 3. Talwandi Gharana
☒ 4. Darbhanga Gharana

Q.12 Which of the following isotopes is used as a fuel in nuclear power plants for generating electricity?

- Ans ☐ 1. Arsenic-74
☐ 2. Carbon-14
☒ 3. Uranium- 235
☐ 4. Sodium-24

Q.13 Most major sports awards are accompanied by a cash reward. Which of the following is the only national sports award that does NOT include a cash reward?

- Ans ☐ 1. Major Dhyan Chand Khel Ratna
☒ 2. Rashtriya Khel Protsahan Puruskar
☐ 3. Maulana Abul Kalam Azad Trophy
☐ 4. Dronacharya Award

Q.14 Which of the following statements about planet Saturn is true?

- Ans ☐ 1. Saturn is the fourth planet from the Sun and the largest planet in our solar system.
☒ 2. Satellites like Enceladus and Titan of Saturn are home to internal oceans, could possibly support life.
☐ 3. Saturn's environment is conducive to life.
☐ 4. Saturn is a massive ball made up mostly of nitrogen.

Q.15 The Lucknow Gharana of Kathak was founded by _____, a devotee of the Bhakti movement who lived in southeast Uttar Pradesh.

- Ans ☐ 1. Ram Kumar
☐ 2. Bhagwan Ram
☒ 3. Ishwari Prasad
☐ 4. Shyam Kumar

Q.16 Articles 344 (1) and 351 of the Constitution of India are related to the:

- Ans ☒ 1. Eighth Schedule
☐ 2. Third Schedule
☐ 3. Sixth Schedule
☐ 4. Fifth Schedule

Q.17 Match the states in column A with their official languages in column B.

Column A (States)	Column B (Official Languages)
1. Andhra Pradesh	a. Malayalam
2. Kerala	b. Telugu
3. Karnataka	c. Konkani
4. Goa	d. Kannada

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

Q.18 The Fundamental Duties of Citizens were introduced by the 42nd Amendment in the year:

- Ans ☒ 1. 1978
☒ 2. 1976
☒ 3. 1988
☒ 4. 1980

Q.19 Which of the following statement/(s) is /are true with respect to Supreme Court Observation in A.G. Perarivalan vs The State Of Tamil Nadu State?

1. It highlighted that the Governor's powers are qualified by the constitutional mandate, chiefly requiring them to act in aid and advice of the council of ministers
2. The bench headed by justice L Nageswara Rao ordered the freedom of one of the convicts in the Rajiv Gandhi assassination case.
3. The bench was of the opinion that there are three sources of power-Governor, Council of Ministers and the Constitution.

- Ans ☒ 1. Both 1 and 2
☒ 2. Both 2 and 3
☒ 3. Only 3
☒ 4. Only 1

Q.20 On 11 August 2021, the General Insurance Business (Nationalisation) Amendment Bill, 2021 was passed by the Parliament and it amended the _____.

- Ans ☒ 1. Motor Insurance (Nationalisation) Act, 1980
☒ 2. General Insurance Business (Nationalisation) Act, 1972
☒ 3. General Business (Nationalisation) Act, 1970
☒ 4. Life Insurance (Nationalisation) Act, 1975

Q.21 Which of the following is NOT the colour of a warning card in kabaddi?

- Ans ☒ 1. Yellow
☒ 2. Green
☒ 3. Black
☒ 4. Red

Q.22 The Howrah bridge was officially opened in the year _____.

- Ans ☒ 1. 1935
☒ 2. 1930
☒ 3. 1948
☒ 4. 1943

Q.23 The slide number can be added to each slide of the MS PowerPoint presentation from which of the following?

- Ans ☒ 1. Footer
☒ 2. Page Formatting
☒ 3. View
☒ 4. Table Design

Q.24 Which Mughal ruler was responsible for the execution of Guru Tegh Bahadur in the year 1675?

- Ans**
- ☒ 1. Jahangir
 - ☒ 2. Akbar
 - ☒ 3. Aurangzeb
 - ☒ 4. Shahjahan

Q.25 In which year did Swami Vivekananda give his speech at the Chicago Parliament of Religions?

- Ans**
- ☒ 1. 1893
 - ☒ 2. 1892
 - ☒ 3. 1891
 - ☒ 4. 1890

