

Combined Higher Secondary Level Examination 2024 Tier I

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

Q.1 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.

He do not / fear the / repercussions of / this decision.

- Ans ☒ 1. fear the
- ☒ 2. repercussions of
- ☒ 3. He do not
- ☒ 4. this decision.

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

It is his job / to chase out / clients with / outstanding debts.

- Ans ☒ 1. It is his job
- ☒ 2. to chase out
- ☒ 3. outstanding debts
- ☒ 4. clients with

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

Mumbai is the city of dreams but it is a expensive city too.

- Ans ☒ 1. but it is
- ☒ 2. city of dreams
- ☒ 3. a expensive city too
- ☒ 4. Mumbai is the

Q.4 Select the most appropriate option to fill in the blanks.
(Ø = No article)

_____ road to Taj Mahal passes through _____ forest.

- Ans ☒ 1. A; a
- ☒ 2. A; the
- ☒ 3. Ø; Ø
- ☒ 4. The; a

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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.

When Prime Minister Narendra Modi announced that rupees with the denominations of 500/- and 1000/- would 1. _____ to be the legal tender from the 9th of November, the whole country was stunned. This decision caused a sensation in the whole country. Social media was flooded with messages and information. People started counting the cash they had 2. _____ for years legally or illegally. The main objective of this move was to curb black money, corruption and fake money menace. All the people but those who indulged in 3. _____ welcomed the move. The whole opposition shook hands against this move under one pretence or the other. They called this decision a 4. _____ law and wanted the government to roll it back. Severe criticisms were made to target the decision. The government also carried out 5. _____ attacks.

SubQuestion No : 5

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

- Ans ☒ 1. unify
☒ 2. cease
☒ 3. seize
☒ 4. collaborate

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.

When Prime Minister Narendra Modi announced that rupees with the denominations of 500/- and 1000/- would 1. _____ to be the legal tender from the 9th of November, the whole country was stunned. This decision caused a sensation in the whole country. Social media was flooded with messages and information. People started counting the cash they had 2. _____ for years legally or illegally. The main objective of this move was to curb black money, corruption and fake money menace. All the people but those who indulged in 3. _____ welcomed the move. The whole opposition shook hands against this move under one pretence or the other. They called this decision a 4. _____ law and wanted the government to roll it back. Severe criticisms were made to target the decision. The government also carried out 5. _____ attacks.

SubQuestion No : 6

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

- Ans ☒ 1. withdrawn
☒ 2. accumulated
☒ 3. distributed
☒ 4. dispersed

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.

When Prime Minister Narendra Modi announced that rupees with the denominations of 500/- and 1000/- would 1. _____ to be the legal tender from the 9th of November, the whole country was stunned. This decision caused a sensation in the whole country. Social media was flooded with messages and information. People started counting the cash they had 2. _____ for years legally or illegally. The main objective of this move was to curb black money, corruption and fake money menace. All the people but those who indulged in 3. _____ welcomed the move. The whole opposition shook hands against this move under one pretence or the other. They called this decision a 4. _____ law and wanted the government to roll it back. Severe criticisms were made to target the decision. The government also carried out 5. _____ attacks.

SubQuestion No : 7

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

- Ans ☒ 1. amalgamation
☒ 2. announcement
☒ 3. indecision
☒ 4. malpractices

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.

When Prime Minister Narendra Modi announced that rupees with the denominations of 500/- and 1000/- would 1. _____ to be the legal tender from the 9th of November, the whole country was stunned. This decision caused a sensation in the whole country. Social media was flooded with messages and information. People started counting the cash they had 2. _____ for years legally or illegally. The main objective of this move was to curb black money, corruption and fake money menace. All the people but those who indulged in 3. _____ welcomed the move. The whole opposition shook hands against this move under one pretence or the other. They called this decision a 4. _____ law and wanted the government to roll it back. Severe criticisms were made to target the decision. The government also carried out 5. _____ attacks.

SubQuestion No : 8

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

- Ans ☒ 1. fragile
☒ 2. like
☒ 3. draconian
☒ 4. comprehensive

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.

When Prime Minister Narendra Modi announced that rupees with the denominations of 500/- and 1000/- would 1. _____ to be the legal tender from the 9th of November, the whole country was stunned. This decision caused a sensation in the whole country. Social media was flooded with messages and information. People started counting the cash they had 2. _____ for years legally or illegally. The main objective of this move was to curb black money, corruption and fake money menace. All the people but those who indulged in 3. _____ welcomed the move. The whole opposition shook hands against this move under one pretence or the other. They called this decision a 4. _____ law and wanted the government to roll it back. Severe criticisms were made to target the decision. The government also carried out 5. _____ attacks.

SubQuestion No : 9

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

- Ans ☒ 1. revengeful
☒ 2. case
☒ 3. example
☒ 4. ineffectual

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

Advanced

- Ans ☒ 1. Foreign
☒ 2. Elementary
☒ 3. Discarded
☒ 4. Progressive

Q.11 Select the correct collocation to complete the following sentence.

She suppressed a _____ urge to yawn.

- Ans ☒ 1. stout
☒ 2. strong
☒ 3. hard
☒ 4. tough

Q.12 Select the most appropriate option that can substitute the underlined segment in the following sentence.

He passed away in the year 1950 at 10 a.m. on 13 July.

- Ans
- ☒ 1. in the year 1950 at 10 a.m. on 13 July
 - ☒ 2. on 13 July at 10 a.m. in the year 1950
 - ☒ 3. at 10 a.m. on 13 July in the year 1950
 - ☒ 4. in the year 1950 on 13 July at 10 a.m.

Q.13 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The vendor said that the apples were of superior quality.

- Ans
- ☒ 1. Excellent
 - ☒ 2. Small
 - ☒ 3. Inferior
 - ☒ 4. Distasteful

Q.14 Select the most appropriate ANTONYM of the given word.
Precarious

- Ans
- ☒ 1. Doubtful
 - ☒ 2. Luminous
 - ☒ 3. Reliable
 - ☒ 4. Colossal

Q.15 Select the most appropriate idiom that can substitute the underlined word segment in the given sentence.

I know Covid has made you terribly ill, but the good thing is that you have developed immunity against it for further infections.

- Ans
- ☒ 1. the silver lining in the cloud
 - ☒ 2. crossing palms with silver
 - ☒ 3. being in the quicksilver
 - ☒ 4. the silver spoon

Q.16 Select the most appropriate homonym to fill in the blank.

Please _____ more sugar to the juice so that it becomes sweeter.

- Ans
- ☒ 1. aid
 - ☒ 2. add
 - ☒ 3. ad
 - ☒ 4. aide

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence.

I was in Oman around two months.

- Ans
- ☒ 1. from
 - ☒ 2. into
 - ☒ 3. since
 - ☒ 4. for

Q.18 Select the most appropriate homophones to fill in the blanks.

Her father _____ her to opt for a chemistry _____ in her final year.

- Ans
- ☒ 1. aloud; coarse
 - ☒ 2. aloud; course
 - ☒ 3. allowed; course
 - ☒ 4. allowed; coarse

Q.19 Select the correctly spelt word.

- Ans
- ☒ 1. Imediately
 - ☒ 2. Immediatly
 - ☒ 3. Immiadiately
 - ☒ 4. Immedeatly

Q.20 Select the most appropriate meaning of the given idiom.

Out of the frying pan and into the fire

- Ans
- ☒ 1. Being with someone through good times as well as bad times
 - ☒ 2. Being a horrible cook
 - ☒ 3. Things getting intense by the hour
 - ☒ 4. Things going from bad to worse

Q.21 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Vindication
 - ☒ 2. Concentrate
 - ☒ 3. Psychometric
 - ☒ 4. Conglomirate

Q.22 Select the most appropriate synonym of the given word.

Perilous

- Ans
- ☒ 1. Adverse
 - ☒ 2. Ugly
 - ☒ 3. Bad
 - ☒ 4. Dangerous

Q.23 Select the most appropriate synonym of the underlined word.

My grandmother is fond of giving homilies to all my friends who visit my place.

- Ans
- ☒ 1. Suggestions
 - ☒ 2. Sermons
 - ☒ 3. Strictures
 - ☒ 4. Alternatives

Q.24 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The meeting closed with a vote of thanks.

- Ans
- ☒ 1. stopped
 - ☒ 2. finished
 - ☒ 3. completed
 - ☒ 4. concluded

Q.25 Select the most appropriate option that can substitute the underlined segment in the given sentence.

At his wit's end, he decided to return to his parents as he was unable to cope up with the stress of adjusting at a new place.

- Ans ☒ 1. After thinking
☒ 2. Taking all notes
☒ 3. Not knowing what to do
☒ 4. Deciding after contemplation

Q.1 What should come in place of ? in the given series?

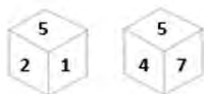
131 141 161 191 231 ?

- Ans ☒ 1. 271
☒ 2. 261
☒ 3. 281
☒ 4. 291

Q.2 MAZQ is related to GUTK in a certain way based on the English alphabetical order. In the same way, CPNR is related to WJHL. To which of the following is KOEV related, following the same logic?

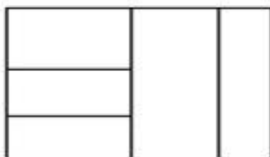
- Ans ☒ 1. EYPI
☒ 2. EIYP
☒ 3. EYIP
☒ 4. EIPY

Q.3 Six numbers 1, 2, 4, 5, 7 and 9 are written on different faces of a dice. Two positions of this dice are shown in the figure. Which is the number on the face opposite to the face containing 9?



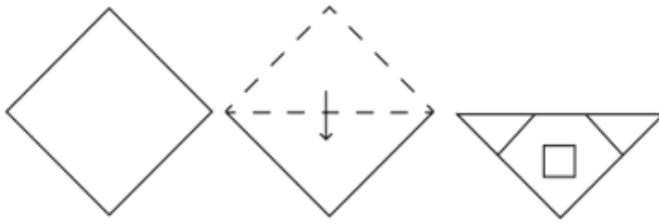
- Ans ☒ 1. 5
☒ 2. 1
☒ 3. 7
☒ 4. 2

Q.4 What is the maximum number of rectangles in the given figure?



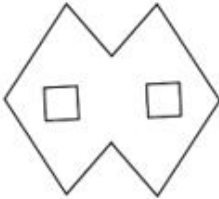
- Ans ☒ 1. 9
☒ 2. 12
☒ 3. 10
☒ 4. 8

Q.5 The sequence of folding a piece of paper and the manner in which the folded paper is punched is shown in the following figures. How would this paper look when unfolded?



Ans

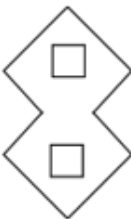
☒ 1.



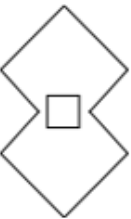
☒ 2.



☒ 3.



☒ 4.



Q.6 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

FJM : UQN

DPQ : WKJ

Ans ☒ 1. OVC : LEX

☒ 2. IEB : ACK

☒ 3. LHE : VUT

☒ 4. MNO : ONM

Q.7 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?

128 A 4 C 16 B 7 D 5 = ?

Ans ☒ 1. 159

☒ 2. 139

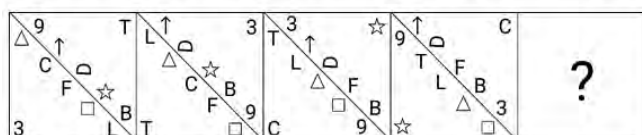
☒ 3. 149

☒ 4. 129

Q.8 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. QSV
☒ 2. BDG
☒ 3. FHK
☒ 4. LNP

Q.9 Which figure should replace the question mark (?) if the following figure series were to be continued?



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Q.10 38 is related to 80 following a certain logic. Following the same logic, 42 is related to 88. To which of the following is 29 related, following the same logic?

- Ans ☒ 1. 62
☒ 2. 78
☒ 3. 66
☒ 4. 54

Q.11 In a certain code language, '78623' is coded as 'TAKEN' and '32685' is coded as 'TOKEN'. What is the code for '5' in that language?

- Ans**
- ☒ 1. O
 - ☐ 2. T
 - ☐ 3. E
 - ☐ 4. A

Q.12 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 tables are gates.

All mats are tables.

All plates are gates.

Conclusion (I): All gates are mats.

Conclusion (II): All tables are plates.

- Ans**
- ☒ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (I) follows.
 - ☐ 4. Only conclusion (II) follows.

Q.13 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$28 + 90 + 6 - 5 \times 17 = ?$$

- Ans**
- ☒ 1. 86
 - ☐ 2. 80
 - ☐ 3. 84
 - ☐ 4. 82

Q.14 Which of the following numbers will replace the question mark (?) in the given series?

19, ?, 43, 55, 67

- Ans**
- ☐ 1. 34
 - ☐ 2. 33
 - ☒ 3. 31
 - ☐ 4. 41

Q.15 If 2 August 2016 is a Tuesday, then what will the day of the week on 19 October 2020?

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

Q.16 What should come in place of ? in the given series based on the English alphabetical order?

RKD ? ZUP QMI HEB

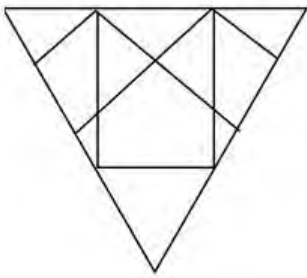
- Ans
- ☒ 1. ZYZ
 - ☒ 2. WCI
 - ☒ 3. ICW
 - ☒ 4. ABC

Q.17 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 mother of N',
 'M # N' means 'M is the sister of N'.
 Based on this, how is Q related to U, if 'P & Q @ R \$ T # U'?

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

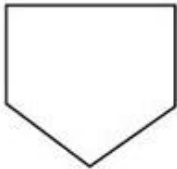


Q.18 Select the option that is embedded in the given figure (rotation is NOT allowed).

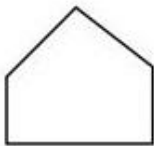


Ans

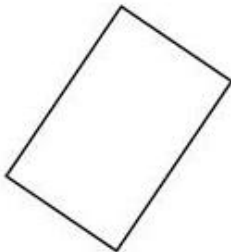
☒ 1.



☒ 2.



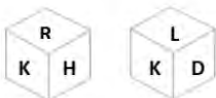
☒ 3.



☒ 4.



Q.19 Six letters D, H, K, L, R and Y 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 H?



Ans ☒ 1. Y

☒ 2. D

☒ 3. K

☒ 4. L

Q.20 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
EFG, KLM, QRS, ?

Ans ☒ 1. WXY

☐ 2. XYZ

☐ 3. UVW

☐ 4. WXZ

Q.21 If 19 July 2000 is Wednesday, then what will be the day of the week on 14 June 2009?

Ans ☐ 1. Thursday

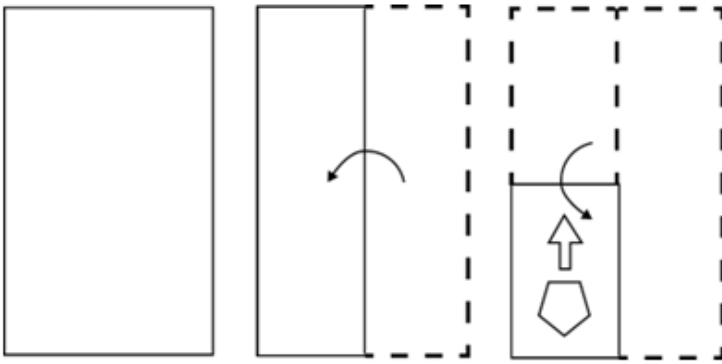
☐ 2. Friday

☐ 3. Tuesday

☒ 4. Sunday

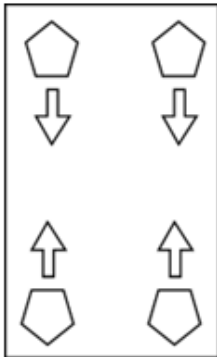


Q.22 A paper is folded and cut as shown below. How will it appear when unfolded?

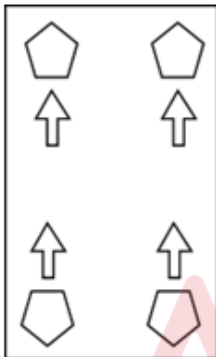


Ans

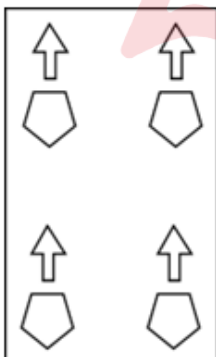
✓ 1.



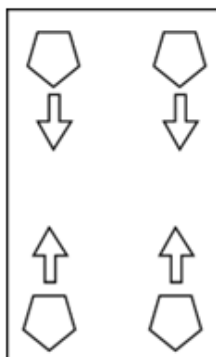
✗ 2.



✗ 3.



✗ 4.



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

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /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)

(81, 53, 70)

(94, 66, 83)

Ans ☒ 1. (86, 58, 65)

☒ 2. (77, 59, 76)

☒ 3. (68, 40, 67)

☒ 4. (99, 71, 88)

Q.24 In a certain code language, 'YOUR' is coded as '5627' and 'CROY' is coded as '2769'. What is the code for 'C' in the given code language?

Ans ☒ 1. 6

☒ 2. 7

☒ 3. 9

☒ 4. 2

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

$$10 - 12 \div 7 + 84 \times 21 = ?$$

Ans ☒ 1. 95

☒ 2. 90

☒ 3. 93

☒ 4. 85

Q.1 A shopkeeper sells his goods using weights 27% less than true weights and claims to sell his goods at the cost price. His gain per cent (rounded off to 1 decimal place) is:

Ans ☒ 1. 39.8

☒ 2. 47.9

☒ 3. 37.0

☒ 4. 40.0

Q.2 Three cubes each of side 5 cm are joined end to end. The surface area of the resulting cuboid is:

Ans ☒ 1. 350 cm^2

☒ 2. 75 cm^2

☒ 3. 175 cm^2

☒ 4. 150 cm^2

Q.3 A sum of ₹5,000 was lent to two people, one at the rate of 16% and the other at the rate of 24%. If the simple interest after one year is ₹960, what is the sum lent at the higher rate?

Ans ☒ 1. ₹2,500

☒ 2. ₹2,000

☒ 3. ₹3,000

☒ 4. ₹1,500

Q.4 A and B are two stations 420 km apart. A train starts from A at 11 am and travels towards B at the speed of 70 kmph. Another train starts from B at 12 noon and travels towards A at the speed of 30 kmph. At what time do they meet?

- Ans ☒ 1. 3.30 pm
☒ 2. 1.30 pm
☒ 3. 2 pm
☒ 4. 3 pm

Q.5 Mira can complete a piece of work in 20 days, Nina in 30 days and Sima in 40 days. Mira and Sima worked together for 4 days and then Mira was replaced by Nina. In how many days, altogether, was the work completed?

- Ans ☒ 1. 18
☒ 2. 20
☒ 3. 16
☒ 4. 14

Q.6 In $\triangle DEW$, $AB \parallel EW$. If $AD = 4$ cm, $DE = 12$ cm and $DW = 24$ cm, then find the length of DB .

- Ans ☒ 1. 7 cm
☒ 2. 8 cm
☒ 3. 9 cm
☒ 4. 6 cm

Q.7 If the area of a rhombus is 70 m^2 and its height is 5 m, its perimeter is _____.

- Ans ☒ 1. 64 m
☒ 2. 35 m
☒ 3. 56 m
☒ 4. 25 m

Q.8 The measure of each side of an equilateral triangle is 16 cm. What is the ratio of its perimeter to the sum of its medians?

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

Q.9 A hemispherical bowl is made of silver and has an inner diameter of 4 cm if the thickness of silver is 0.5 cm. Find the volume of silver used in making the bowl correct to two places of decimals (use $\pi=3.14$).

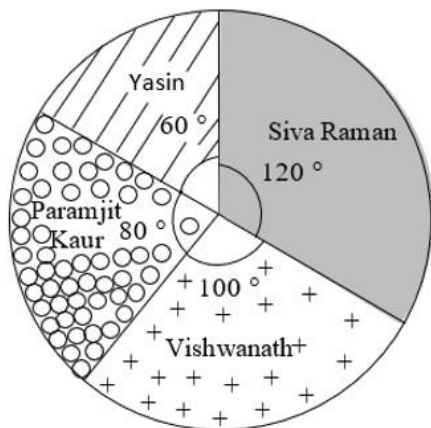
- Ans ☒ 1. 15.69 cm^3
☒ 2. 51.96 cm^3
☒ 3. 15.96 cm^3
☒ 4. 51.69 cm^3

Q.10 Shyam's income is 20% less than Ram's. How much is Ram's income more than Shyam's in percentage terms?

- Ans ☒ 1. 20%
- ☒ 2. 25%
- ☒ 3. 80%
- ☒ 4. 30%

Q.11 Study the given pie-chart and answer the question that follows.

The pie-chart represents the total number of valid votes obtained by four students who contested for school leadership. The total number of valid votes polled was 720.



By how many votes did the winner defeat the nearest contestant?

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

Q.12 A vertical pole of length 6 m casts a 4 m long shadow on the ground. At the same time, a tower casts a 28 m long shadow. Find the height of the tower.

- Ans ☒ 1. 48 m
- ☒ 2. 32 m
- ☒ 3. 36 m
- ☒ 4. 42 m

Q.13 O is the centre of the circle. Its two chord AB and CD intersect each other at the point P (internally) within the circle. If AB = 22 cm, PB = 14 cm, CP = 8 cm, then find the value of the PD.

- Ans ☒ 1. 12 cm
- ☒ 2. 22 cm
- ☒ 3. 11 cm
- ☒ 4. 14 cm

Q.14 In an election between two candidates, 30% voters did not cast their votes and 200 votes were declared invalid. The winner got 65% of the valid votes. If he won by 1200 votes, then find the total votes.

Ans ☒ 1. 6000

☐ 2. 9000

☐ 3. 8000

☐ 4. 7000

Q.15 What is the value of a so that the seven-digit number $4645a52$ is divisible by 72?

Ans ☐ 1. 2

☐ 2. 0

☐ 3. 3

☒ 4. 1

Q.16 On dividing a certain number by 459, we get 19 as remainder. What will be the remainder, when the same number is divided by 17?

Ans ☐ 1. 11

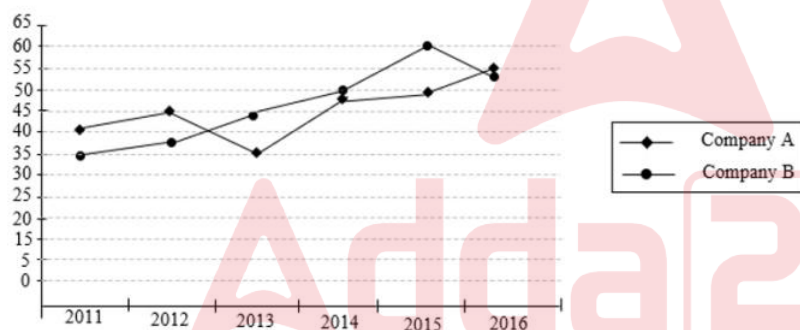
☐ 2. 1

☐ 3. 13

☒ 4. 2

Q.17 Study the given graph and answer the question that follows.

The graph shows the profit percentage earned by two companies – A and B over a period of six years.



What is the percentage increase in profit percentage of company B in the year 2014 from the previous year?

Ans ☐ 1. 5.75%

☐ 2. 6.55%

☐ 3. 7.5%

☒ 4. 13.63%

Q.18 The sum of the digits of a two-digit number is 9. The number obtained by interchanging its digits exceeds the given number by 45, then the original number is:

Ans ☐ 1. 18

☐ 2. 36

☒ 3. 27

☐ 4. 54

Q.19 Pomegranate juice contains 10% sugar solution and orange juice contains 30% sugar solution. What is the percentage of sugar solution in a mixture of two litres of pomegranate juice and three litres of orange juice?

Ans ☒ 1. 22%

☐ 2. 20%

☐ 3. 40%

☐ 4. 25%

Q.20 Study the given table and answer the question that follows.

The table shows the results of half-yearly and annual examinations of three sections A, B, C of class X students in a school.

Result	Number of students		
	Section A	Section B	Section C
Students failed in both exams	39	20	12
Students failed in half-yearly but passed in annual exams	16	14	6
Students passed in half-yearly but failed in annual exams	10	12	8
Students passed in both exams	65	45	35

Find the pass percentage of section A in at least one of the two examinations.

Ans ☐ 1. 75%

☒ 2. 70%

☐ 3. 65%

☐ 4. 80%

Q.21 Divide 25 into two parts such that 6 times of the larger part added to 4 times of the smaller part is equal to 130. Find the larger part.

Ans ☐ 1. 13

☐ 2. 20

☒ 3. 15

☐ 4. 14

Q.22 The following table shows the number of trees axed in 2016 - 2020. Study the given information carefully and answer the question that follows.

Year	Neem	Banyan	Teak
2016	15,000	20,000	25,000
2017	18,000	28,000	28,000
2018	22,000	32,000	32,000
2019	25,000	35,000	35,000
2020	28,000	38,000	38,000

What was the percentage increase in the number of banyan trees axed in 2020 compared to the number of banyan trees axed in 2016?

- Ans
- ☒ 1. 90%
 - ☐ 2. 9%
 - ☐ 3. 47.4%
 - ☐ 4. 60%

Q.23 What is the value of $\cos^{-1}\left(\frac{7}{25}\right) - \cos^{-1}\left(\frac{15}{17}\right)$?

- Ans
- ☐ 1. $\cos^{-1}\left(\frac{304}{425}\right)$
 - ☐ 2. $\cot^{-1}\left(\frac{297}{425}\right)$
 - ☐ 3. $\tan^{-1}\left(\frac{297}{425}\right)$
 - ☒ 4. $\sin^{-1}\left(\frac{304}{425}\right)$

Q.24 Which of the following is NOT true regarding a circle?

- Ans
- ☒ 1. Given any three points in a plane, there is always a circle passing through these points
 - ☐ 2. The largest chord in a circle has a length twice its radius
 - ☐ 3. The ratio of the perimeter and radius of a circle is always constant
 - ☐ 4. A triangle with vertices on a circle and one side as its diameter is a right-angled triangle

Q.25 In an election, there were only two candidates. One of the candidates secured 44% of the votes and is defeated by the other candidate by 1440 votes. If there were no invalid votes, then the total number of votes polled is:

- Ans
- ☐ 1. 13000
 - ☒ 2. 12000
 - ☐ 3. 14000
 - ☐ 4. 15000

Q.1 In which year was the Rajiv Gandhi Khel Ratna award renamed as Major Dhyan Chand Khel Ratna award, which is the highest sporting honour in the nation?

- Ans**
- ☐ 1. 1991
 - ☐ 2. 2019
 - ☒ 3. 2021
 - ☐ 4. 2014

Q.2 The Indian Constitution borrowed the concept of concurrent list from _____.

- Ans**
- ☐ 1. USSR
 - ☐ 2. Japan
 - ☐ 3. Germany
 - ☒ 4. Australia

Q.3 The UIDAI is under the jurisdiction of which of the following ministries?

- Ans**
- ☒ 1. Ministry of Electronics and Information Technology
 - ☐ 2. Ministry of Home Affairs
 - ☐ 3. Ministry of Education
 - ☐ 4. Ministry of Finance

Q.4 Which of the following statements about the Mahila Samman Savings Certificate is incorrect as of 31 March 2024?

- Ans**
- ☐ 1. The maximum limit of deposit in the scheme is 2 lakhs per year.
 - ☒ 2. The tenure of the scheme is 5 years.
 - ☐ 3. The scheme is valid up to 31 March 2025.
 - ☐ 4. The scheme was announced in the 2023-24 budget.

Q.5 The Battle of Khanua was fought between Babur and _____.

- Ans**
- ☐ 1. Rana Ratna Singh
 - ☒ 2. Rana Sanga
 - ☐ 3. Maharana Pratap
 - ☐ 4. Medini Rao

Q.6 Which organisation was started in the Pune district of Maharashtra in the 1870s with the aim of promoting education and social rights among the underprivileged group of the society?

- Ans**
- ☐ 1. Shoshit Seva Samaj
 - ☐ 2. Deepalaya Samaj
 - ☐ 3. Prarthana Samaj
 - ☒ 4. Satyashodhak Samaj

Q.7 Who proposed that 'Light is made up of waves propagating perpendicular to the direction of its movement'?

- Ans**
- ☐ 1. Kepler
 - ☒ 2. Huygens
 - ☐ 3. Pauli
 - ☐ 4. Newton

Q.8 To which Hindustani music Gharana are the Gundecha brothers related?

- Ans
- ☐ 1. Patiala Gharana
 - ☐ 2. Agra Gharana
 - ☒ 3. Dagari Gharana
 - ☐ 4. Indore Gharana

Q.9 In the Hindustani music system, the _____ are allotted to different hours of the day and different seasons.

- Ans
- ☒ 1. ragas
 - ☐ 2. gita
 - ☐ 3. varnas
 - ☐ 4. srutis

Q.10 In which year was Micro Units Development and Refinance Agency (MUDRA) introduced?

- Ans
- ☐ 1. 2017
 - ☒ 2. 2015
 - ☐ 3. 2009
 - ☐ 4. 2013

Q.11 Match the dances in column A with their states in column B.

Column A
(Dances)

1. Bharatanatyam
2. Mohiniattam
3. Garba
4. Sattriya

Column B
(States)

- a. Gujarat
- b. Tamil Nadu
- c. Kerala
- d. Assam

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

Q.12 Which shortcut key is used to paste a slide in Microsoft PowerPoint?

- Ans
- ☐ 1. CTRL + X
 - ☒ 2. CTRL + V
 - ☐ 3. CTRL + P
 - ☐ 4. CTRL + C

Q.13 Any citizen of India can make a declaration renouncing his/her Indian citizenship under the _____.

- Ans
- ☐ 1. Citizenship Act, 1985
 - ☐ 2. Citizenship Act, 1965
 - ☒ 3. Citizenship Act, 1955
 - ☐ 4. Citizenship Act, 1975

Q.14 In which year did a trio of scientists, Avery, MacLeod and McCarty, prove that except viruses, all living organisms have DNA as their genetic material?

- Ans ☐ 1. 1961
☒ 2. 1944
☐ 3. 1918
☐ 4. 1902

Q.15 El Nino is a climate pattern that describes the unusual warming of surface waters in which ocean?

- Ans ☐ 1. Indian Ocean
☒ 2. Pacific Ocean
☐ 3. Atlantic Ocean
☐ 4. Arctic Ocean

Q.16 Formulas in MS-Excel always start with which of the following symbols?

- Ans ☐ 1. !
☐ 2. -
☒ 3. =
☐ 4. ==

Q.17 When and where did the first Asian Games take place?

- Ans ☐ 1. 2010, New Delhi
☐ 2. 2014, Maharashtra
☒ 3. 1951, New Delhi
☐ 4. 1982, Punjab

Q.18 In August 2021, the Administrator of Lakshadweep, Praful Khoda Patel, highlighted that _____ style water villas, a project which is a first of its kind, will soon be set up in Lakshadweep, at a cost of 800 crores, in a bid to attract tourists to scenic beauty of the Union Territory.

- Ans ☐ 1. Malaysia
☐ 2. Fiji
☐ 3. Mexico
☒ 4. Maldives

Q.19 Balasaraswati who was regarded as child prodigy by Vidhwans and Pandits played an important role in reviving the dance form _____.

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

Q.20 As per the Economic Survey 2022-23, the Labour Force Participation Rate for males has gone up to _____ in 2020-21.

- Ans ☐ 1. 54.2%
☐ 2. 59.3%
☐ 3. 55.1%
☒ 4. 57.5%

Q.21 Which of the following statements is/are correct?

I- Radio broadcasting started in India in 1923 by the Radio Club of Bombay.

II- All India Radio came into being in 1936.

III - In 1976, TV was delinked from All India Radio (AIR) and got a separate identity as Door darshan (DD).

Ans ☒ 1. I, II and III are correct

☐ 2. Both I and II are correct.

☐ 3. Both II and III are correct.

☐ 4. Only III is correct.

Q.22 Which of these is NOT true of the second phase of the green revolution?

Ans ☐ 1.

It was adopted by farmers living in dry and semi-arid regions of India.

☐ 2.

It was launched in areas with a significant shift from dry to wet (irrigated) cultivation.

☒ 3. It covered the period of the 1960s and 1970s.

☐ 4. It covered the period of the 1980s.

Q.23 Which of the following pairs of Indian rivers is west flowing?

Ans ☐ 1. Krishna and Kaveri

☐ 2. Mahanadi and Krishna

☒ 3. Narmada and Tapi

☐ 4. Mahanadi and Godavari

Q.24 With reference to Chethiagiri Vihar festival consider the following statements and select the correct option.

i) It is a Buddhist festival.

ii) It is held at Sanchi, Madhya Pradesh.

iii) Relics of SariPutta and Maha Moggallana are worshiped.

Ans ☐ 1. Both ii and iii

☐ 2. Both i and iii

☐ 3. Both i and ii

☒ 4. i, ii, iii

Q.25 Where was the first Durand Cup, India's oldest football tournament, held?

Ans ☐ 1. Delhi

☐ 2. Calcutta

☐ 3. Madras

☒ 4. Shimla