Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	05/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I

Section : **English Language**

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
With hard work, commitment / and proper guidance, / Sivaram has become / a IPS officer.

Ans ✗ 1. With hard work, commitment

✗ 2. and proper guidance,

✓ 3. a IPS officer

✗ 4. Sivaram has become

Q.2 Parts of the following sentence have been given as options. Select the option that contains an error.
A owl is a bird which has wide eyes, asymmetrical ears and is found mostly in forests.

Ans ✗ 1. and is found mostly in forests.

✗ 2. asymmetrical ears

✓ 3. A owl is a bird

✗ 4. which has wide eyes,

Q.3 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
The teacher will never / give you punishment / if you will / come on time.

Ans ✗ 1. give you punishment

✓ 2. if you will

✗ 3. come on time

✗ 4. the teacher will never

Q.4 The following sentence has been split into four segments. Identify the segment that contains an error.
If she exercises daily, / she would / remain energetic / and fit forever.

Ans ✗ 1. remain energetic

✗ 2. If she exercises daily

✗ 3. and fit forever

✓ 4. she would

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.
Romantic poetry is a literary movement that emerged in the late 18th century and continued through the mid-19th century. It is (1)_____ by an emphasis on emotion, imagination and individualism. Romantic poets sought to express their innermost thoughts and feelings through their poetry, often exploring (2)_____ such as love, beauty and mortality. One of the defining features of Romantic poetry is its use of language and imagery to evoke powerful emotions in the reader. Many Romantic poets, such as William Wordsworth and Samuel Taylor Coleridge (3)_____ that poetry should be written in the language of common people, rather than in the lofty, formal language of the past. They also incorporated vivid descriptions of nature and the natural world into their poetry, using it as a source of inspiration and spiritual renewal. (4)_____ important aspect of Romantic poetry is its focus on the individual and the subjective experience. Romantic poets believed that each persons experience of the world was unique and valuable, and sought to capture this individuality in their writing. This led to a greater emphasis on personal expression and introspection in poetry, (5)_____ a rejection of the traditional poetic forms and structures of the past.

SubQuestion No : 5

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

Ans ✗ 1. characterises

 ✗ 2. characteristic

 ✔ 3. characterised

 ✗ 4. characterising

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.
Romantic poetry is a literary movement that emerged in the late 18th century and continued through the mid-19th century. It is (1)_____ by an emphasis on emotion, imagination and individualism. Romantic poets sought to express their innermost thoughts and feelings through their poetry, often exploring (2)_____ such as love, beauty and mortality. One of the defining features of Romantic poetry is its use of language and imagery to evoke powerful emotions in the reader. Many Romantic poets, such as William Wordsworth and Samuel Taylor Coleridge (3)_____ that poetry should be written in the language of common people, rather than in the lofty, formal language of the past. They also incorporated vivid descriptions of nature and the natural world into their poetry, using it as a source of inspiration and spiritual renewal. (4)_____ important aspect of Romantic poetry is its focus on the individual and the subjective experience. Romantic poets believed that each persons experience of the world was unique and valuable, and sought to capture this individuality in their writing. This led to a greater emphasis on personal expression and introspection in poetry, (5)_____ a rejection of the traditional poetic forms and structures of the past.

SubQuestion No : 6

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

Ans ✗ 1. concerns

 ✗ 2. arguments

 ✗ 3. problems

 ✔ 4. themes

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.
Romantic poetry is a literary movement that emerged in the late 18th century and continued through the mid-19th century. It is (1)_____ by an emphasis on emotion, imagination and individualism. Romantic poets sought to express their innermost thoughts and feelings through their poetry, often exploring (2)_____ such as love, beauty and mortality. One of the defining features of Romantic poetry is its use of language and imagery to evoke powerful emotions in the reader. Many Romantic poets, such as William Wordsworth and Samuel Taylor Coleridge (3)_____ that poetry should be written in the language of common people, rather than in the lofty, formal language of the past. They also incorporated vivid descriptions of nature and the natural world into their poetry, using it as a source of inspiration and spiritual renewal. (4)_____ important aspect of Romantic poetry is its focus on the individual and the subjective experience. Romantic poets believed that each persons experience of the world was unique and valuable, and sought to capture this individuality in their writing. This led to a greater emphasis on personal expression and introspection in poetry, (5)_____ a rejection of the traditional poetic forms and structures of the past.

SubQuestion No : 7

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

Ans ✗ 1. could believe

 ✗ 2. will believe

 ✗ 3. believes

 ✔ 4. believed

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.

Romantic poetry is a literary movement that emerged in the late 18th century and continued through the mid-19th century. It is (1)_____ by an emphasis on emotion, imagination and individualism. Romantic poets sought to express their innermost thoughts and feelings through their poetry, often exploring (2)_____ such as love, beauty and mortality. One of the defining features of Romantic poetry is its use of language and imagery to evoke powerful emotions in the reader. Many Romantic poets, such as William Wordsworth and Samuel Taylor Coleridge (3)_____ that poetry should be written in the language of common people, rather than in the lofty, formal language of the past. They also incorporated vivid descriptions of nature and the natural world into their poetry, using it as a source of inspiration and spiritual renewal. (4)_____ important aspect of Romantic poetry is its focus on the individual and the subjective experience. Romantic poets believed that each persons experience of the world was unique and valuable, and sought to capture this individuality in their writing. This led to a greater emphasis on personal expression and introspection in poetry, (5)_____ a rejection of the traditional poetic forms and structures of the past.

SubQuestion No : 8

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

Ans   ✗ 1. Mostly

       ✗ 2. Additional

       ✔ 3. Another

       ✗ 4. Farther

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.

Romantic poetry is a literary movement that emerged in the late 18th century and continued through the mid-19th century. It is (1)_____ by an emphasis on emotion, imagination and individualism. Romantic poets sought to express their innermost thoughts and feelings through their poetry, often exploring (2)_____ such as love, beauty and mortality. One of the defining features of Romantic poetry is its use of language and imagery to evoke powerful emotions in the reader. Many Romantic poets, such as William Wordsworth and Samuel Taylor Coleridge (3)_____ that poetry should be written in the language of common people, rather than in the lofty, formal language of the past. They also incorporated vivid descriptions of nature and the natural world into their poetry, using it as a source of inspiration and spiritual renewal. (4)_____ important aspect of Romantic poetry is its focus on the individual and the subjective experience. Romantic poets believed that each persons experience of the world was unique and valuable, and sought to capture this individuality in their writing. This led to a greater emphasis on personal expression and introspection in poetry, (5)_____ a rejection of the traditional poetic forms and structures of the past.

SubQuestion No : 9

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

Ans   ✗ 1. whereas

       ✗ 2. therefore

       ✔ 3. as well as

       ✗ 4. but

Q.10   **Select the most appropriate ANTONYM for the underlined word in the given sentence.**
       As a punishment for his betrayal to his country, the spy who sold secrets was sent to prison.

Ans   ✗ 1. Infidelity

       ✔ 2. Loyalty

       ✗ 3. Perilous

       ✗ 4. Nasty

Q.11   **Select the most appropriate ANTONYM of the given word.**
       Skeptic

Ans   ✔ 1. Believer

       ✗ 2. Atheist

       ✗ 3. Careful

       ✗ 4. Infidel

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'.

He asked his father when <u>would come the next letter</u>.

Ans ✗ 1. No substitution required

   ✓ 2. the next letter would come

   ✗ 3. would the next letter come

   ✗ 4. come the next letter

Q.13 Select the most appropriate idiomatic expression that can substitute the underlined segment in the given sentence.
Last year art critics praised Animesh as if he were a master, but he turned out to be <u>a pleasure for a short time.</u>

Ans ✓ 1. a nine days' wonder

   ✗ 2. a dish fit for Gods

   ✗ 3. a house of cards

   ✗ 4. a bull in a china shop

Q.14 Select the most appropriate option that can substitute the underlined word in the given sentence.

The professor did an <u>objective</u> evaluation.

Ans ✗ 1. unfair

   ✗ 2. prejudiced

   ✓ 3. unbiased

   ✗ 4. unjust

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

Ans ✓ 1. Tragic

   ✗ 2. Remedial

   ✗ 3. Farcical

   ✗ 4. Rebellious

Q.16 Select the most appropriate option to fill in the blank.
The bride had a big villa in comparison to the bridegroom's _____ house.

Ans ✗ 1. large

   ✓ 2. small

   ✗ 3. distinct

   ✗ 4. different

Q.17 Select the INCORRECTLY spelt word.

Ans ✗ 1. Aquarium

   ✓ 2. Mantain

   ✗ 3. Accurate

   ✗ 4. Excellence

Q.18 Select the most appropriate meaning of the given idiom.
bread and butter

Ans ✗ 1. An activity you do to get help others

   ✗ 2. An activity you do with determination

   ✗ 3. An activity you do to improve your culinary skills

   ✓ 4. An activity you do to get money for basic needs

Q.19 Select the most appropriate option that can substitute the underlined words in the following sentence.
If you do hard work, you will have the <u>expected results.</u>

Ans ✗ 1. good results

✗ 2. required results

✓ 3. desired results

✗ 4. bad results

Q.20 Select the most appropriate option that can substitute the underlined words in the given sentence.
Although I have a lot of work to do, I am determined to finish it all by the end of the day so that I can enjoy my weekend <u>not having any imminent due dates</u>.

Ans ✓ 1. without any looming deadlines

✗ 2. not with any pressure of due date

✗ 3. with no pending reservations

✗ 4. not leaving any work incomplete

Q.21 Select the most appropriate ANTONYM of the word given in brackets to fill in the blank.
Her voice, soft and _____, (shrill) flowed effortlessly through the room.

Ans ✓ 1. mellow

✗ 2. nasal

✗ 3. croaky

✗ 4. piercing

Q.22 Identify the incorrectly spelt word and select its correct spelling.
It is his previlage to present all the candidates for ordination to the bishop of the diocese.

Ans ✗ 1. deocease

✓ 2. privilege

✗ 3. prevalage

✗ 4. odination

Q.23 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Planets in our solar system <u>close and big</u> for them to twinkle.

Ans ✗ 1. is close and big

✗ 2. are quite close and big

✓ 3. are too close and big

✗ 4. very close and big

Q.24 Which of the following sentences contains the ANTONYM of the word 'ignore'?

Ans ✗ 1. Avoid foods which make you sick.

✗ 2. He did not succeed in gaining custody of his daughter.

✓ 3. Ritika recognised Kavita in the gathering.

✗ 4. To keep a tidy kitchen, do not neglect washing your dishes.

Q.25 Select the most appropriate connotation to fill in the blank.
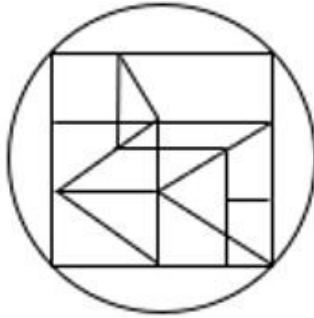Raju is such a _____always prying into other people's business!

Ans ✗ 1. cheeky

✗ 2. stingy

✓ 3. nosy

✗ 4. perky

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?

28 B 7 D 176 A 8 C 13 = ?
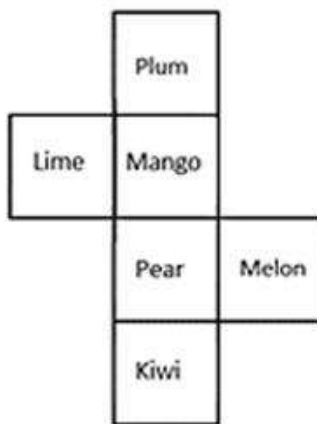
Ans ✗ 1. 185

✗ 2. 184

✓ 3. 187

✗ 4. 186

Q.2 How many triangles are there in the given figure?

Ans ✗ 1. 14

✗ 2. 16

✓ 3. 15

✗ 4. 13

Q.3 What would be the word on the opposite side of 'Kiwi' if the given sheet is folded to form a cube?

Ans ✗ 1. Melon

✗ 2. Plum

✗ 3. Lime

✓ 4. Mango

Q.4 What should come in place of ? in the given series based on the English alphabetical order?

TMF UNE VOD ? XQB

Ans ✗ 1. KOT

✓ 2. WPC

✗ 3. ACE

✗ 4. WPI

Q.5 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CPW, HRA, MTE, RVI, ?

Ans ✗ 1. VXN
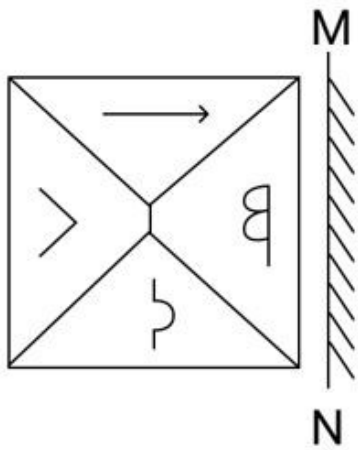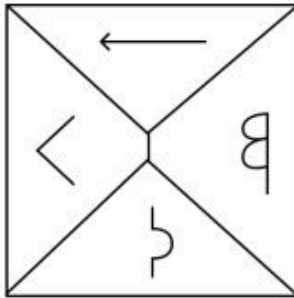
✗ 2. VYN

✗ 3. XXM

✓ 4. WXM

Q.6 Select the correct mirror image of the given figure when the mirror is placed at MN.
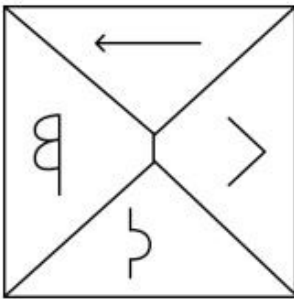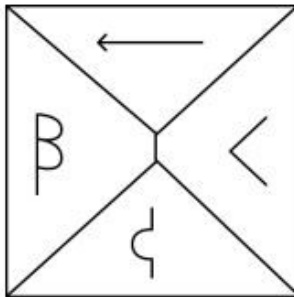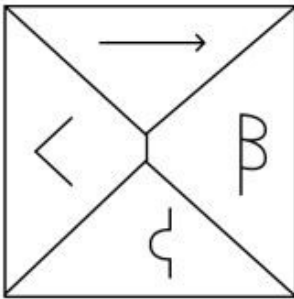
M

N

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Q.7 ZBRL is related to UWMG in a certain way based on the English alphabetical order. In the same way, IDSQ is related to DYNL. To which of the following is EVNA related, following the same logic?

Ans
- ✗ 1. ZIVQ
- ✗ 2. ZIQV
- ✗ 3. ZQVI
- ✓ 4. ZQIV

Q.8 If 15 August 2006 is a Tuesday, then what will the day of the week on 7 September 2017?

Ans
- ✓ 1. Thursday
- ✗ 2. Wednesday
- ✗ 3. Monday
- ✗ 4. Sunday

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

23, 27, 35, 47, 63, ?

Ans
- ✓ 1. 83
- ✗ 2. 84
- ✗ 3. 85
- ✗ 4. 82

Q.10 In a certain code language, 'RUIN' is coded as '3098' and 'TURN' is coded as '9630'. How is 'I' coded in the given language?

Ans
- ✗ 1. 6
- ✗ 2. 3
- ✓ 3. 8
- ✗ 4. 9

Q.11 YZWT is related to DEAX in a certain way based on the English alphabetical order. In the same way, QROL is related to VWSP. To which of the following is RSPM related, following the same logic?

Ans
- ✓ 1. WXTQ
- ✗ 2. WXUQ
- ✗ 3. WYUQ
- ✗ 4. WTXQ

Q.12 What will come in the place of the question mark (?) in the following equation if '+' and '÷' are interchanged and '×' and '−' are interchanged?

39 + 13 × 12 ÷ 5 − 4 = ?

Ans
- ✗ 1. 13
- ✓ 2. 11
- ✗ 3. 9
- ✗ 4. 7

Q.13 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.)
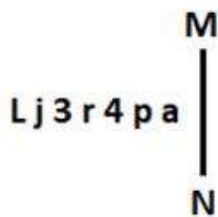
Ans ✔ 1. PSU

✘ 2. HKN

✘ 3. TWZ

✘ 4. DGJ

Q.14 Which two numbers should be interchanged to make the given equation correct?

136 − (176 ÷ 11) × 8 + 22 × 3 = 105

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

Ans ✔ 1. 11 and 22

✘ 2. 8 and 3

✘ 3. 22 and 176

✘ 4. 8 and 11

Q.15 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

M

Lj3r4pa

N

Ans ✘ 1. paₚɿƐį⅃

✘ 2. ƨdₚrƐį⅃

✔ 3. ƨqₚɿƐį⅃

✘ 4. ƨqₚɿ3į⅃

Q.16 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.)
Light : Blind

Ans ✘ 1. Voice : Vibration

✘ 2. Tongue : Sound

✘ 3. Language : Deaf

✔ 4. Speech : Dumb

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

Jan	Mar
	May
	Apr
Feb	June

Ans ✗ 1. June

✗ 2. Jan

✓ 3. May

✗ 4. Mar

Q.18 In a certain code language, 'AUDIO' is coded as '59416' and 'BEND' is coded as '6238'. How is 'D' coded in that language?

Ans ✓ 1. 6

✗ 2. 4

✗ 3. 2

✗ 4. 1

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.)
(12, 132, 11)
(13, 104, 8)

Ans ✗ 1. (9, 128, 14)

✗ 2. (16, 146, 9)

✓ 3. (7, 105, 15)

✗ 4. (18, 132, 7)

Q.20 14 is related to 126 following a certain logic. Following the same logic, 21 is related to 189. To which of the following is 32 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. 288

✗ 2. 320

✗ 3. 286

✗ 4. 318

Q.21 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

☆ F 3	O O	△ F	3	
△ ☆	B	O	?
O 3 F	△ 3	F △	B	

Ans

✗ 1.
B	△
9	
3	F

✗ 2.
B	△
3	
O	F

✗ 3.
△	F
9	
B	3

✔ 4.
3	B
9	
F	△

Q.22 'A ÷ B' means 'A is B's son'.
'A × B' means 'A is B's sister'.
'A + B' means 'A is B's brother'.
'A − B' means 'A is B's mother'.
Using the mathematical operators meaning the same as given above, which of the following means that 'S is T's husband'?
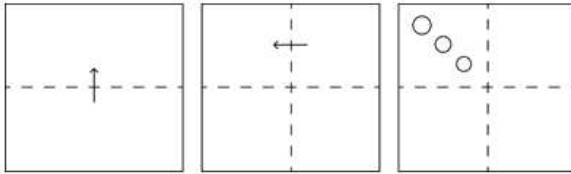
Ans   ✗ 1. T × R − V + S

✗ 2. T − R ÷ V × S

✔ 3. T − R + V ÷ S

✗ 4. T ÷ R × V + S

Q.23 What will come in the place of the question mark (?) in the following equation, if '+' and '−' are interchanged and '×' and '÷' are interchanged?
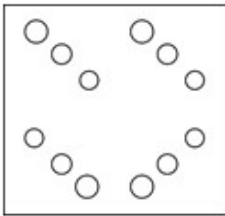
13 ÷ 3 + 2 × 2 − 11 = ?

Ans   ✗ 1. 59

✗ 2. 39

✗ 3. 29

✔ 4. 49

Q.24 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?
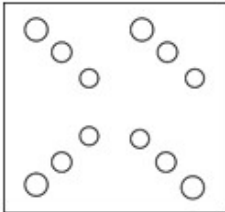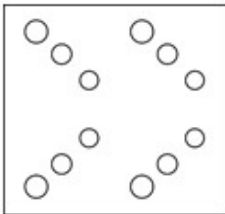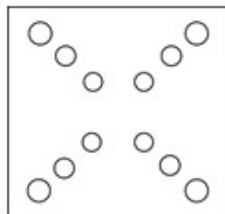
Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Q.25 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:
Some lions are panthers.
No panther is a tiger.
Some lions are cats.
Conclusions:
I. No tiger is a cat.
II. Some lions are tiger.
III. No cat is a panther.

Ans ✗ 1. Only conclusion I follow.

✔ 2. Neither conclusions I, II nor III follows.

✗ 3. Both conclusions II and III follow.

✗ 4. Both conclusions I and II follow.

Section : **Quantitative Aptitude**

Q.1 If the length, breadth and total surface area of a cuboid are 30 cm, 20 cm and 2600 cm^2, respectively, then find its height.

Ans ✗ 1. 30 cm

✗ 2. 15 cm

✗ 3. 50 cm

✔ 4. 14 cm

Q.2 A train 550 metres long is running at a speed of 78 km/h. How many seconds will it take to cross a 350 metres long train running in the opposite direction at a speed of 30 km/h?

Ans ✗ 1. 40 seconds

✗ 2. 20 seconds

✗ 3. 50 seconds

✓ 4. 30 seconds

Q.3 Evaluate the given expression.

$$\left[7 + 9 - 2\left\{\left(3 \div \frac{1}{3}\right) - 3\right\} + 27 \div 3 + (27 \div 9 + 3) - 6\right] \div 2$$

Ans ✓ 1. 15

✗ 2. 19

✗ 3. 22

✗ 4. 20

Q.4 What is the area (in cm^2) of an equilateral triangle whose perimeter is 24 cm?
Note: Round off to the nearest two decimal places.

Ans ✗ 1. 28.14

✓ 2. 27.71

✗ 3. 13.86

✗ 4. 27.14

Q.5 R gives $\frac{3}{8}$ of the toffees he has with him to S. If now R has k% of the toffies with S, then find the value of k.

Ans ✗ 1. $\frac{200}{3}$

✗ 2. 200

✓ 3. $\frac{500}{3}$

✗ 4. 140

Q.6 A retailer gets a discount of 40% on the printed price of an article. If the retailer sells it at the printed price, then his gain percentage is:

Ans ✗ 1. $66\frac{1}{3}\%$

✓ 2. $66\frac{2}{3}\%$

✗ 3. $37\frac{2}{3}\%$

✗ 4. $33\frac{1}{3}\%$

Q.7 The mean proportion of 0.14 and 2.24 is:

Ans ✗ 1. 1.02

✗ 2. 1.12

✗ 3. −2.39

✓ 4. 0.56

Q.8 The following table represents the number of computers (in thousands) manufactured by four companies during the period from 2010 to 2014:

Years	A	B	C	D
2010	240	120	270	280
2011	300	530	490	650
2012	1250	650	430	710
2013	470	320	1180	890
2014	320	1070	550	480

What is the difference (in thousands) between the number of computers manufactured by company A and C during the period from 2010 to 2014?

Ans ✗ 1. 230

✗ 2. 430

✗ 3. 320

✔ 4. 340

Q.9 If the ratio of principal and simple interest for 5 years is 10 : 7, then the rate of interest per annum is:

Ans ✗ 1. 10%

✗ 2. 15%

✔ 3. 14%

✗ 4. 11%

Q.10 A mobile phone dealer buys a phone for ₹10,000 and sells it for ₹12,000. Later, he realizes that he could have sold it for ₹13,000. What is the percentage loss that he incurs?

Ans ✔ 1. 10%

✗ 2. 20%

✗ 3. 15%

✗ 4. 25%

Q.11 A quantity $\frac{4}{5}$ is changed to $\frac{5}{6}$. How much percentage change is given to the quantity?

Ans ✗ 1. 4.71%

✗ 2. 4.73%

✔ 3. 4.17%

✗ 4. 4.37%

Q.12 In an assembly election, a candidate got 60% of the total valid votes. 3% of the total votes were declared invalid. If the total number of voters is 2,40,000, then find the number of valid votes polled in favour of the candidate.

Ans ✗ 1. 193680

✔ 2. 139680

✗ 3. 139860

✗ 4. 139608

Q.13 The perpendicular length from the origin to the line 6x + 8y - 48 = 0 is:

Ans ✗ 1. 2.6 unit

✔ 2. 4.8 unit

✗ 3. 8.3 unit

✗ 4. 5.2 unit

Q.14 A work can be done by a man and a woman in 12 days and 8 days, respectively. In how many days will the work be done by 6 men and 4 women?

Ans ✔ 1. 1

✗ 2. $\dfrac{1}{2}$

✗ 3. 2

✗ 4. $\dfrac{3}{4}$

Q.15 A motorcyclist rides his motorcycle at a speed of 90 km/hr in the first one hour and the next two hours at a speed of 120 km/hr. Find the average speed of the rider.

Ans ✔ 1. 110 km/hr

✗ 2. 120 km/hr

✗ 3. 105 km/hr

✗ 4. 115 km/hr

Q.16 After the division of a number successively by 2,3 and 5, the remainders are 1,2 and 3, respectively. What will be the remainder, if 13 divides the same number (if the last quotient is 1)?

Ans ✔ 1. 1

✗ 2. 2

✗ 3. 0

✗ 4. 3

Q.17 Study the given table and answer that question that follows.
The given table shows the loan disbursed by five banks (in crores) over four years.

Banks	2016	2017	2018	2019
A	15	20	10	12
B	15	20	15	20
C	20	25	15	20
D	15	20	35	10
E	10	20	25	30

Which two banks have disbursed the same sum of loan over all four years?

Ans ✗ 1. A and B

✗ 2. B and C

✔ 3. C and D

✗ 4. B and D

Q.18 If the angle of the sector with radius 7 cm is $120°$ then find the length of the sector (in cm). $\left(\text{Use } \pi = \frac{22}{7}\right)$

Ans

✗ 1. $\dfrac{67}{3}$

✗ 2. $\dfrac{22}{3}$

✗ 3. $\dfrac{47}{3}$

✔ 4. $\dfrac{44}{3}$

Q.19 In a triangle ABC, BD is perpendicular to AC. E is a point on BC such that angle BEA = $x°$. If angle EAC = $38°$ and angle EBD = $40°$, then the value of x is:

Ans

✗ 1. 82

✔ 2. 88

✗ 3. 96

✗ 4. 48

Q.20 Find the percentage increase in surface area of a cube by triple each side.

Ans

✔ 1. 800%

✗ 2. 650%

✗ 3. 700%

✗ 4. 500%

Q.21 If θ be acute angle and $\cos\theta = \dfrac{24}{25}$, then the value of $\cot(90 - \theta)$ is equal to:

Ans

✗ 1. $\dfrac{5}{24}$

✔ 2. $\dfrac{7}{24}$

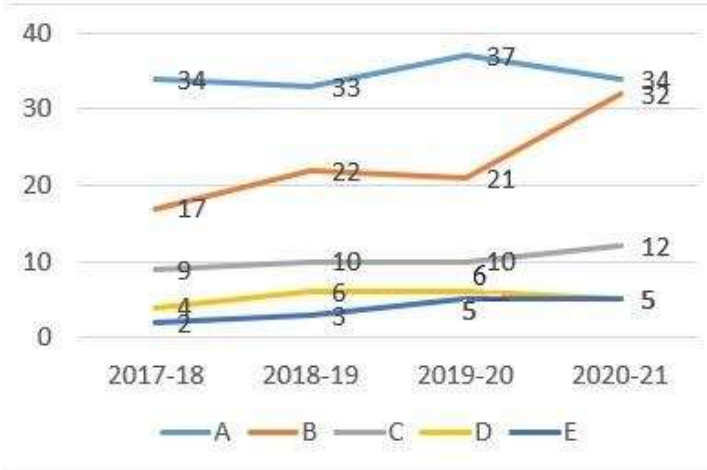✗ 3. $\dfrac{7}{25}$

✗ 4. $\dfrac{6}{25}$

Q.22 Two parallel chords are drawn in a circle of radius 25 cm. The distance between the two chords is 27 cm. If the length of one chord is 48 cm, then length of the other chord is equal to:

Ans

✗ 1. 42 cm

✗ 2. 36 cm

✗ 3. 48 cm

✔ 4. 30 cm

Q.23 Study the given graph and answer the question that follows.
The graph shows the number of projects completed by five companies

Which company has the highest growth in percentage in completed projects from 2017-18 to 2020-21?
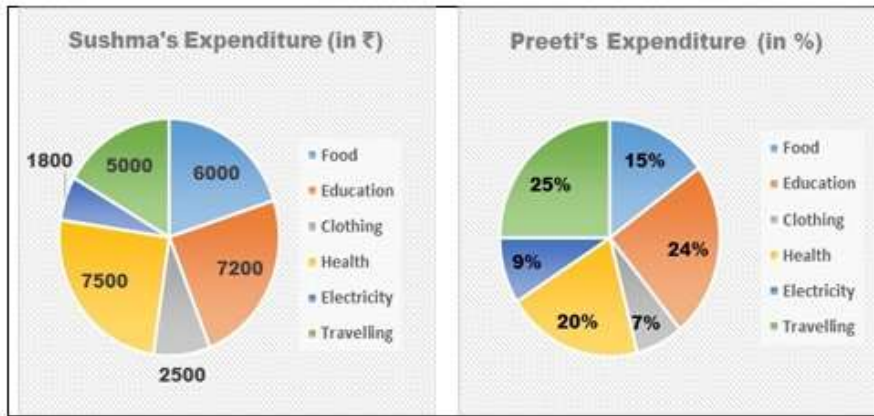
Ans ✗ 1. C

✓ 2. A

✗ 3. B

✗ 4. D

Q.24 If three spheres of radius 75 cm, 60 cm and 45 cm are melted into one big sphere, then the radius of the big sphere is:

Ans ✓ 1. 90 cm

✗ 2. 85 cm

✗ 3. 95 cm

✗ 4. 80 cm

Q.25 Following Pie chart presents monthly expenditure by Sushma and Preeti in different heads. Sushma and Preeti make equal expenditure every month.

What is the difference between the central angle corresponding to the expenditure incurred on Health by Sushma and Preeti?

Ans
✘ 1. 102°

✔ 2. 18°

✘ 3. 12°

✘ 4. 112°

Section : **General Awareness**

Q.1 Which of the following represents the Two-Factor Authentication (2FA)?
Ans ✘ 1. A technique for organising files and folders on a PC

✘ 2. A tool for optimising system resources

✔ 3. The use of two different credentials to verify identity

✘ 4. A security measure to prevent physical damage to a PC

Q.2 Former Karnataka CM _____ received the Padma Vibhushan at Rashtrapati Bhavan in New Delhi for his contribution in the field of Public Affairs in 2023.
Ans ✘ 1. D Devaraj Urs

✘ 2. HD Deve Gowda

✘ 3. S Nijalingappa

✔ 4. SM Krishna

Q.3 According to the Census of India-2011, which state has the lowest sex ratio?
Ans ✘ 1. Maharashtra

✔ 2. Haryana

✘ 3. Rajasthan

✘ 4. Bihar

Q.4 Which view in MS PowerPoint is useful for editing or formatting a single slide at a time?
Ans ✘ 1. Reading view

✘ 2. Slide Sorter view

✘ 3. Outline view

✔ 4. Normal view

Q.5 Which of the following Articles in the Constitution of India provides protection to President and Governors and Rajpramukhs?

Ans ✔ 1. Article 361

✘ 2. Article 352

✘ 3. Article 370

✘ 4. Article 356

Q.6 As on 31 March 2024, apart from the Ministry of Home Affairs, which of the following ministries is headed by Shri Amit Shah?

Ans ✔ 1. Ministry of Cooperation

✘ 2. Ministry of Minority Affairs

✘ 3. Ministry of Coal

✘ 4. Ministry of Corporate Affairs

Q.7 Which was the first dynasty of the Delhi Sultanate?

Ans ✘ 1. Tughlaq dynasty

✘ 2. Khilji dynasty

✔ 3. Mamluk dynasty

✘ 4. Lodi dynasty

Q.8 When was air transport nationalised in India?

Ans ✘ 1. 1950

✘ 2. 1951

✘ 3. 1952

✔ 4. 1953

Q.9 Which of the following is one of the largest spiral galaxies?

Ans ✔ 1. NGC 6872

✘ 2. Milky Way

✘ 3. Cygnus A

✘ 4. Maffei 1

Q.10 Which device is used to measure the current flow using needle deflection caused by a magnetic field force acting upon a current-carrying wire?

Ans ✔ 1. Galvanometer

✘ 2. Psophometer

✘ 3. Potentiometer

✘ 4. Ammeter

Q.11 The Ayush Ministry has collaborated with the UK's London School of Hygiene and Tropical Medicine (LSHTM) to conduct a study on _____ for promoting recovery from COVID-19.

Ans ✘ 1. Gotu Kola

✘ 2. Boswellia

✔ 3. Ashwagandha

✘ 4. Brahmi

Q.12 Sangeeta Shankar was awarded Sangeet Natak Akademi Award 2021 for her contribution in playing which musical instrument?

Ans ✘ 1. Santoor

✘ 2. Veena

✔ 3. Violin

✘ 4. Flute

Q.13 Of which of the following states/UTs is Rauf a folk dance?

Ans
- ✗ 1. Lakshadweep
- ✓ 2. Jammu and Kashmir
- ✗ 3. Kerala
- ✗ 4. Karnataka

Q.14 'Ujjwala', a _____, was the official mascot of Khelo India – Para Games 2023.

Ans
- ✗ 1. goose
- ✓ 2. sparrow
- ✗ 3. duck
- ✗ 4. hen

Q.15 Which of the following exchange rates is determined by the market forces of demand and supply?

Ans
- ✗ 1. Soft pegged exchange rate
- ✓ 2. Floating exchange rate
- ✗ 3. Fixed exchange rate
- ✗ 4. Hard pegged exchange rate

Q.16 With which of the following communities is the word 'Langar' (community kitchen) mainly associated?

Ans
- ✗ 1. Jainism
- ✗ 2. Buddhism
- ✗ 3. Hinduism
- ✓ 4. Sikhism

Q.17 Which city hosted the Asian Champions Trophy hockey tournament in 2023?

Ans
- ✗ 1. Delhi
- ✗ 2. Surat
- ✓ 3. Chennai
- ✗ 4. Ahmedabad

Q.18 The district of Shivamogga that is famous for its Iron-Ore and Manganese mineral is located in which state of India?

Ans
- ✓ 1. Karnataka
- ✗ 2. Maharashtra
- ✗ 3. Rajasthan
- ✗ 4. Jharkhand

Q.19 During 2015, in _____ sector, Government of India had allowed about 49% of FDI.

Ans
- ✗ 1. education
- ✓ 2. defence
- ✗ 3. manufacture of medical devices
- ✗ 4. food products

Q.20 Community tradition is related to which of the following music streams?

Ans
- ✗ 1. Karnataka Lokgeet
- ✓ 2. Hindustani Classical Music
- ✗ 3. Hindustani Lokgeet
- ✗ 4. Karnataka Classical Music

Q.21 As per the Census of India-2011, the density of population per km^2 was _____ persons.

Ans
  ✘ 1. 320

  ✔ 2. 382

  ✘ 3. 345

  ✘ 4. 394

Q.22 The Central Office of the Reserve Bank of India was initially established in which present city in 1935?

Ans
  ✘ 1. Delhi

  ✘ 2. Mumbai

  ✔ 3. Kolkata

  ✘ 4. Chennai

Q.23 Which of the following reactions leads to the formation of glucose pentaacetate from acetic anhydride?

Ans
  ✔ 1. Acetylation of glucose

  ✘ 2. Oxidation

  ✘ 3. Addition of ketone

  ✘ 4. Reduction

Q.24 In kabaddi, when a raider touches any body part of any defender or any part of their clothing, it is called:

Ans
  ✘ 1. catch

  ✔ 2. tag

  ✘ 3. pursuit

  ✘ 4. raid

Q.25 From which of the following Constitutions has the India Constitution adopted the system of 'First Past the Post'?

Ans
  ✘ 1. Irish Constitution

  ✘ 2. United States Constitution

  ✘ 3. French Constitution

  ✔ 4. British Constitution