Combined Higher Secondary Level Examination 2024 Tier I

Exam Date	04/07/2024
Exam Time	9:00 AM - 10:00 AM
Subject	CHSL Exam 2024 Tier I

Section : **English Language**

Q.1 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.
I am sure / that he will praying / for a good crop / this year.

Ans ✔ 1. that he will praying

✘ 2. I am sure

✘ 3. this year.

✘ 4. for a good crop

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

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

Ans ✔ 1. at the gate no. 6.

✘ 2. waiting for

✘ 3. their flights

✘ 4. My students are

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

Ans ✘ 1. I am very much

✘ 2. he rendered to me

✘ 3. for the help

✔ 4. obliged of my friend

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

Ans ✘ 1. studying

✘ 2. tomorrow

✔ 3. will being

✘ 4. exams

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

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

SubQuestion No : 5

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

Ans ✔ 1. dissolve

✘ 2. diffuse

✘ 3. melt

✘ 4. evaporate

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

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

SubQuestion No : 6

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

Ans ✘ 1. initial

✘ 2. original

✘ 3. early

✔ 4. primary

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

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

SubQuestion No : 7

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

Ans ✘ 1. applied

✔ 2. utilised

✘ 3. operated

✘ 4. employed

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

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

SubQuestion No : 8

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

Ans   ✔ 1. produced

    ✘ 2. invented

    ✘ 3. renewed

    ✘ 4. fabricated

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

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

SubQuestion No : 9

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

Ans   ✘ 1. collaboration

    ✘ 2. cooperation

    ✔ 3. combination

    ✘ 4. association

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

Ans   ✘ 1. Result

    ✘ 2. Tumult

    ✔ 3. Fault

    ✘ 4. Occult

Q.11   Select the correct spelling of the underlined word in the following sentence.
I am <u>contant</u> with my day's work.

Ans   ✘ 1. contint

    ✘ 2. contante

    ✔ 3. content

    ✘ 4. cuntent

Q.12   Select the most appropriate option to fill in the blank.

The _____ in my shoelace created a lot of trouble.

Ans   ✘ 1. not

    ✘ 2. naught

    ✘ 3. nought

    ✔ 4. knot

Q.13 Select the most appropriate option that can substitute the underlined segment in the given sentence.
If you are thinking about investing in share markets, <u>isn't it</u> make sense to find an expert?

Ans ✗ 1. did it

✗ 2. is it

✓ 3. doesn't it

✗ 4. do it

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

Ans ✗ 1. Recurring

✗ 2. Productive

✓ 3. Trivial

✗ 4. Significant

Q.15 Select the most appropriate meaning of the underlined idiom in the following sentence.
Independence Day is considered as a <u>red-letter day</u> in the history of India.

Ans ✗ 1. Regular day

✗ 2. Uneventful day

✓ 3. Memorable day

✗ 4. Unimportant day

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

Ans ✗ 1. which were always silently rolling

✓ 2. which was always silently rolling

✗ 3. that were always silently rolling

✗ 4. what has always silently rolling

Q.17 Select the most appropriate homophone to fill in the blank.
Namita still cannot _____ the pain of her cat's untimely demise.

Ans ✗ 1. bier

✓ 2. bear

✗ 3. beer

✗ 4. bare

Q.18 Select the most appropriate option to fill in the blank.

A sailor was _____ through the high tides.

Ans ✗ 1. ceiling

✓ 2. sailing

✗ 3. swelling

✗ 4. selling

Q.19 Select the most appropriate meaning of the underlined idiom.
Vishnu and Vignesh are always <u>like two peas in a pod</u>.

Ans ✓ 1. Very similar to each other

✗ 2. Smart and intelligent

✗ 3. Happy and compassionate

✗ 4. Good in every way

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

The crowd gave them a _____ of applause.

Ans ✗ 1. yell

✗ 2. load

✗ 3. laugh

✔ 4. round

Q.21 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

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

Ans ✗ 1. will be send to

✗ 2. is sending

✔ 3. No substitution required

✗ 4. would be send to

Q.22 Select the INCORRECTLY spelt word.

Ans ✗ 1. Adulterous

✗ 2. Amendment

✔ 3. Advertisment

✗ 4. Astounding

Q.23 Select the most appropriate option that can substitute the underlined segment in the given sentence.
The painting look good in this room.

Ans ✗ 1. have looking

✗ 2. looking

✗ 3. had look

✔ 4. looks

Q.24 Replace the underlined word in the given sentence with an appropriate synonym from the options listed below.
They gave us the impression that Clara was a cold and calculating woman, who was only after power.

Ans ✗ 1. callous

✗ 2. unscrupulous

✗ 3. unsympathetic

✔ 4. manipulative

Q.25 Fill in the blank with the most appropriate ANTONYM of the underlined word.

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

Ans ✗ 1. legal

✗ 2. legitimate

✗ 3. sophisticated

✔ 4. illicit

Section : General Intelligence

Q.1 In a certain code language,
'M & N' means 'M is the wife of N',
'M @ N' means 'M is the brother of N',
'M $ N' means 'M is the father of N',
'M # N' means 'M is the son of N'.
Based on the above, how is T related to G if 'T @ S # M & N $ G'?

Ans ✔ 1. Brother

✗ 2. Father

✗ 3. Son

✗ 4. Father's brother

Q.2 Select the combination of letters that when sequentially placed in the blanks of the given series will logically complete the series.

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

Ans
- ✔ 1. EEFGEFE
- ✘ 2. EFGFEEF
- ✘ 3. EFFGFEF
- ✘ 4. FEFGFFE

Q.3 What should come in place of the question mark (?) in the given series?

22, 24, 28, 30, 34, ?

Ans
- ✔ 1. 36
- ✘ 2. 35
- ✘ 3. 37
- ✘ 4. 38

Q.4 Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans
- ✘ 1. PRV
- ✘ 2. HJN
- ✘ 3. GIM
- ✔ 4. EGJ

Q.5 The position of how many letters will remain unchanged if each of the letters in the word SOUNDBAR is arranged in alphabetical order?
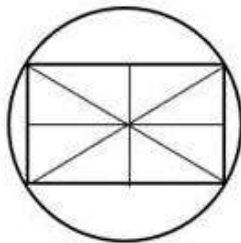
Ans
- ✘ 1. Three
- ✘ 2. Four
- ✔ 3. One
- ✘ 4. Two

Q.6 How many rectangles are there in the given figure?

Ans
- ✔ 1. 9
- ✘ 2. 7
- ✘ 3. 8
- ✘ 4. 6

Q.7 What should come in place of ? in the given series based on the English alphabetical order?

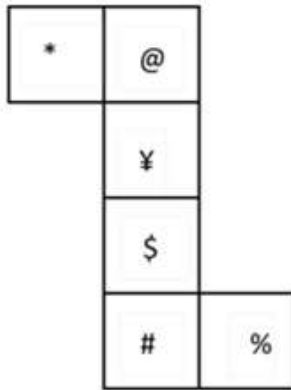RST VZW ZGZ DNC ?

Ans
- ✘ 1. ALF
- ✔ 2. HUF
- ✘ 3. COD
- ✘ 4. MOC

Q.8 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)
Palate : Mouth

Ans ✗ 1. Hill : Range

✗ 2. Rivulet : Dam

✔ 3. Ceiling : Room

✗ 4. Rainbow : Sky

Q.9 What would be the symbol on the opposite side of '*' if the given sheet is folded to form a cube?

Ans ✗ 1. ¥

✗ 2. #

✗ 3. $

✔ 4. %

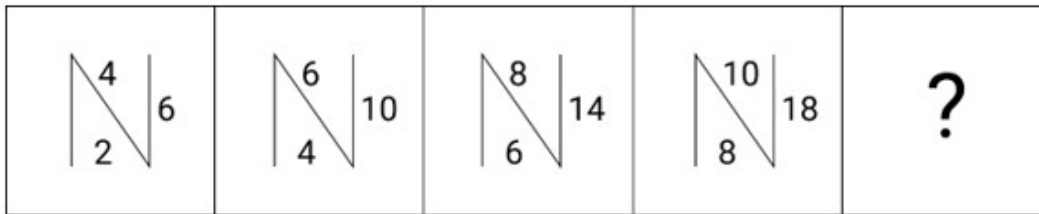**Q.10** If 16 July 2001 is Monday, then what will be the day of the week on 23 December 2006?

Ans ✗ 1. Wednesday

✗ 2. Monday

✗ 3. Thursday

✔ 4. Saturday

Q.11 What should come in place of the question mark (?) in the given series?
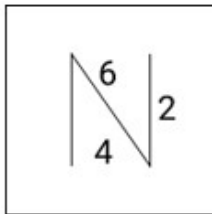
13, 22, 33, 46, ?, 78, 97

Ans ✗ 1. 60

✗ 2. 65

✔ 3. 61

✗ 4. 56

Q.12 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?
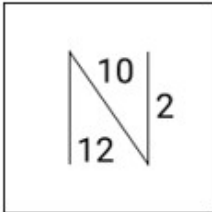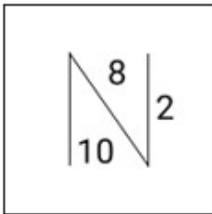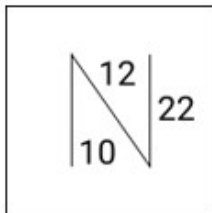
| 4 / 6 / 2 | 6 / 10 / 4 | 8 / 14 / 6 | 10 / 18 / 8 | ? |

Ans

✗ 1. 6 / 2 / 4

✗ 2. 10 / 2 / 12

✗ 3. 8 / 2 / 10

✔ 4. 12 / 22 / 10

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

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

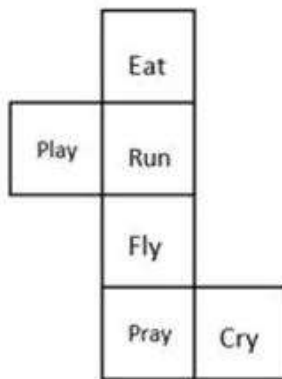Ans ✗ 1. 55

✔ 2. 60

✗ 3. 40

✗ 4. 42

Q.14 Select the correct mirror image of the given combination when the mirror is placed at 'MN' as shown below.

M

9 G r E c A n

N

Ans ✔ 1. п A ɔ Ǝ ɿ Ǝ ᴇ
✗ 2. ௬ A ɔ Ǝ ɿ G ௬
✗ 3. A п ɔ Ǝ ɿ Ǝ ᴇ
✗ 4. ௬ A ɔ E ɿ Ǝ ᴇ

Q.15 What would be the word on the opposite side of 'Eat' if the given sheet is folded to form a cube?

	Eat	
Play	Run	
	Fly	
	Pray	Cry

Ans ✗ 1. Cry
✗ 2. Play
✔ 3. Fly
✗ 4. Pray

Q.16 In a certain code language, 'I missed breakfast' is written as 'nl zn kq' and 'train is missed' is written as 'zm kg nl'. How is 'missed' written in the given language?

Ans ✗ 1. zn
✗ 2. kq
✔ 3. nl
✗ 4. zm

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

(X)

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Q.18 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?

32 B 4 D 116 A 2 C 13 = ?

Ans
✔ 1. 83
✗ 2. 84
✗ 3. 81
✗ 4. 82

Q.19 In a certain code language, MOAT' is coded as '8652' and 'TRAM' is coded as '4256'. What is the code for 'R' in the given code language?

Ans
✗ 1. 8
✗ 2. 6
✔ 3. 4
✗ 4. 2

Q.20 529 is related to 23 following a certain logic. Following the same logic, 324 is related to 18. To which of the following is 625 related following the same logic?
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans ✗ 1. 23

✗ 2. 35

✗ 3. 27

✓ 4. 25

Q.21 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

M
|
J g F 4 7 B a e |
|
N

Ans ✓ 1. ![mirror image option 1]

✗ 2. ![mirror image option 2]

✗ 3. ![mirror image option 3]

✗ 4. ![mirror image option 4]

Q.22 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
All rings are bangles.
Some bangles are anklets.
No anklet is a pendant.
Conclusions:
(I) All rings being anklets is a possibility.
(II) All bangles can never be pendants.

Ans ✗ 1. Only conclusion II follows

✓ 2. Both conclusions I and II follow

✗ 3. Only conclusion I follows

✗ 4. None of the conclusions follow

Q.23 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

India : Mango

Ans ✗ 1. Greece : Banana

✓ 2. New Zealand : Kiwi

✗ 3. Australia : Grapes

✗ 4. France : Apple

Q.24 If 'J' stands for '÷', 'V' stands for '×', 'K' stands for '+' and 'A' stands for '–', what will come in place of the question mark (?) in the following equation?
12 J 2 K 17 A 15 V 19 = ?

Ans
  ✔ 1. –262

  ✘ 2. –75

  ✘ 3. –76

  ✘ 4. –776

Q.25 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(5, 25, 50)
(8, 64, 128)

Ans
  ✘ 1. (12, 144, 278)

  ✔ 2. (12, 144, 288)

  ✘ 3. (12, 134, 288)

  ✘ 4. (12, 144, 298)

Section : **Quantitative Aptitude**

Q.1 What is the value of tan 570°?

Ans
  ✘ 1. $-\dfrac{1}{\sqrt{3}}$

  ✘ 2. $-\sqrt{3}$

  ✔ 3. $\dfrac{1}{\sqrt{3}}$

  ✘ 4. $\sqrt{3}$

Q.2 A clock is sold for ₹550 cash or in the instalment scheme, for ₹250 cash down payment and ₹310 after one month. Find the rate of interest charged in the instalment scheme.

Ans
  ✔ 1. 40%

  ✘ 2. 20%

  ✘ 3. 35%

  ✘ 4. 45%

Q.3 A person spends 10% of his income on groceries, 10% on medicines, 20% on children's education, 15% on house rent, and he saves the remaining amount. If his monthly income is ₹30,000, find his savings.

Ans
  ✘ 1. ₹15,500

  ✘ 2. ₹16,500

  ✔ 3. ₹13,500

  ✘ 4. ₹12,500

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

Ans
  ✘ 1. 2,58,233

  ✘ 2. 2,34,888

  ✔ 3. 2,36,807

  ✘ 4. 23,46,807

Q.5 A man looks at the reflection of the top of the lamp-post on the mirror that is 6.6 m away from the foot of the lamppost. The man's height is 1.25 m and he is standing 2 m away from the mirror. Assuming that the mirror is placed on the ground, facing the sky and the man, and that the mirror and the lamp-post are in a same line, find the height of the lamp-post (in metres).

Ans
  ✗ 1. 4.28

  ✗ 2. 4.45

  ✗ 3. 3.97

  ✔ 4. 4.13

Q.6 Given below is the observed data of the ages of various children.

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

What is the mean of the ages of the children?

Ans
  ✗ 1. 6.575 years

  ✔ 2. 8.575 years

  ✗ 3. 7.575 years

  ✗ 4. 5.575 years

Q.7 The number nearest to 7658 and exactly divisible by 45 is:

Ans
  ✗ 1. 7645

  ✗ 2. 7660

  ✔ 3. 7650

  ✗ 4. 7640

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

Ans
  ✗ 1. 130 sq.cm

  ✗ 2. 136 sq.cm

  ✔ 3. 120 sq.cm

  ✗ 4. 127.5 sq.cm

Q.9 $\triangle ABC$ is a right-angled triangle where $m\angle ABC = 90^\circ$. If $m(\overline{AB}) = 15$ cm, $m(\overline{BC}) = 20$ cm, and $\overline{BD} \perp \overline{AC}$, intersecting $\overline{AC}$ at the point D, find $m(\overline{BD})$ (in cm).

Ans
  ✗ 1. 12.5

  ✔ 2. 12

  ✗ 3. 10

  ✗ 4. 9

Q.10 In the year 2000, Monu was 3 times his sister's age. In 2010, he was 24 years older than her. Find Monu's age in 2010.
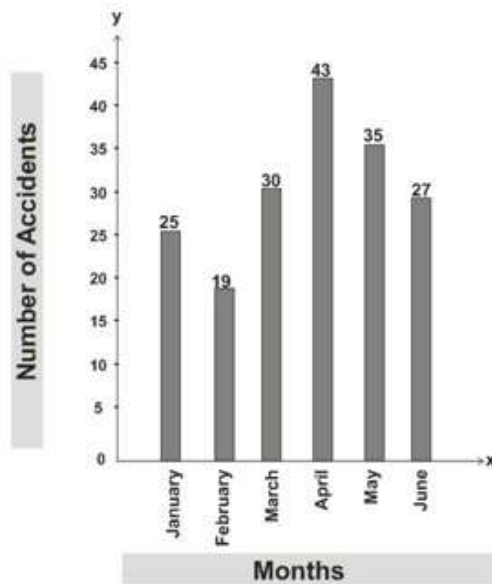
Ans ✔ 1. 46 years

✘ 2. 52 years

✘ 3. 38 years

✘ 4. 62 years

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

What is the percentage of accidents in the month of April with respect to the total accidents in the city during six months? (Correct to nearest integer)
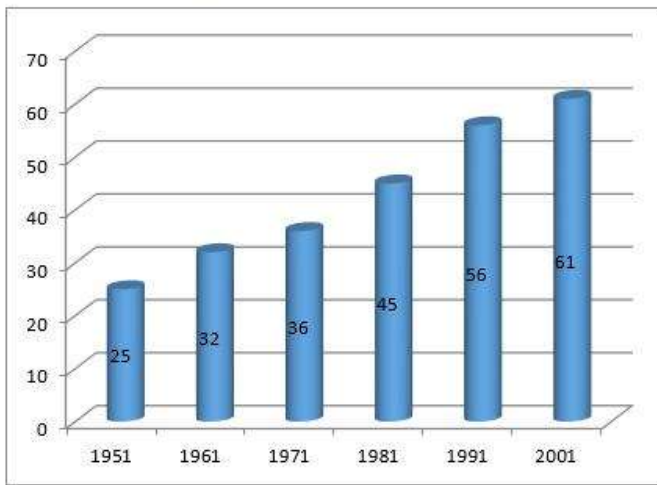
Ans ✘ 1. 15%

✔ 2. 24%

✘ 3. 20%

✘ 4. 22%

Q.12 The following bar graph represents the population of a city (in lakhs) as per the census across different years.

What is the per cent increase in population from 1951 to 2001?
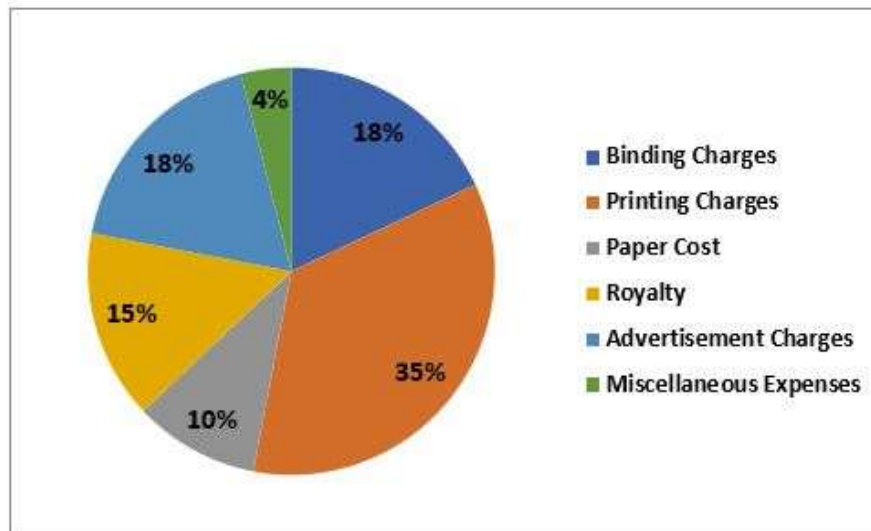
Ans ✔ 1. 144%

✘ 2. 22%

✘ 3. 35%

✘ 4. 120%

Q.13 Which of the following numbers is divisible by 22?

Ans ✔ 1. 893002

✘ 2. 645372

✘ 3. 602351

✘ 4. 654320

Q.14 Shankar covers a certain distance by a car driving at 40 km/h and he returns to the starting point riding on a scooter with a speed of 20 km/h. Find the average speed of the whole journey.

Ans

✘ 1. $22\frac{2}{3}$ km/h

✘ 2. $29\frac{2}{3}$ km/h

✘ 3. $24\frac{2}{3}$ km/h

✔ 4. $26\frac{2}{3}$ km/h

Q.15 The pie chart, given here, shows the various expenses of a publisher in the production of a magazine.

- Binding Charges
- Printing Charges
- Paper Cost
- Royalty
- Advertisement Charges
- Miscellaneous Expenses

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

Ans
✔ 1. 28.8°
✘ 2. 27.2°
✘ 3. 28.6°
✘ 4. 27.6°

Q.16 Three solid cubes of metal have sides 6 cm, 8 cm and 10 cm, respectively. They are melted to form a new cube. What is the surface area of this new cube?

Ans
✘ 1. 915 cm^2
✔ 2. 864 cm^2
✘ 3. 950 cm^2
✘ 4. 812 cm^2

Q.17 If 70% of the cost price of an article is equal to 40% of its selling price, what is the profit percentage?

Ans
✘ 1. 85%
✘ 2. 80%
✘ 3. 70%
✔ 4. 75%

Q.18 Gaurav marks his goods 50% above the cost price and offers a discount of 30% on the marked price to his customers. What is his percentage gain?

Ans
✔ 1. 5%
✘ 2. 4%
✘ 3. 3%
✘ 4. 2%

Q.19 The edges of a rectangular box are in the ratio of 3 : 5 : 8, and its surface area is 632 cm². What will be the volume of the box?

Ans
✗ 1. 801 cm³

✗ 2. 990 cm³

✗ 3. 510 cm³

✔ 4. 960 cm³

Q.20 Convert 28% into the form of ratio.

Ans
✗ 1. 25 : 7

✗ 2. 18 : 7

✔ 3. 7 : 25

✗ 4. 7 : 18

Q.21 A box filled with gift articles weighs 25 kg. If the weight of the box and the gift articles, respectively, are in the ratio 1 : 9, then the weight of the articles (in grams) is:
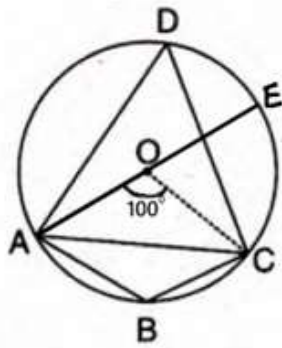
Ans
✗ 1. 21500

✔ 2. 22500

✗ 3. 24500

✗ 4. 23500

Q.22 If the diameter of the base and curved surfaced area of a cylinder are 14cm and 352 cm²,respectively, then the total surface area of the cylinder is equal to:

Ans
✔ 1. 660 cm²

✗ 2. 760 cm²

✗ 3. 754 cm²

✗ 4. 654 cm²

Q.23 Find the average of natural numbers from 1 to 69. (both included)

Ans
✗ 1. 37

✗ 2. 31

✔ 3. 35

✗ 4. 33

Q.24 In the given figure, O is the centre of the circle, AE is the diameter and ∠AOC = 100°.

The value of ∠CDE + ∠CEA is:

Ans ✔ 1. 90°

✘ 2. 80°

✘ 3. 60°

✘ 4. 100°

Q.25 A and B can complete a piece of work in 15 days, B and C in 30 days and C and A in 45 days. In how many days will they complete the work if they start working together?

Ans ✘ 1. $8\dfrac{3}{11}$

✘ 2. $11\dfrac{1}{3}$

✘ 3. $11\dfrac{2}{3}$

✔ 4. $16\dfrac{4}{11}$

Section : **General Awareness**

Q.1 Which of the following statement(s) is/are INCORRECT vis-à-vis Fundamental Duties?
1) The 44th amendment Act introduced Fundamental duties in the Constitution.
2) Fundamental Duties were expanded by the 86th amendment act.
3) Article 51A (a) entails respect its ideals and institutions, national flag and the national anthem.
4) Fundamental Duty obliges parents to provide opportunities for education to their child between 6-14 years of age.

Ans ✘ 1. Only 3

✘ 2. 2 and 4

✘ 3. 2 and 3

✔ 4. 1

Q.2 Who among the following Delhi Sultanate rulers took the policy of 'blood and iron' to deal with the Mewati community?

Ans ✔ 1. Balban

✘ 2. Qutubuddin Aibak

✘ 3. Rajiya

✘ 4. Iltutmish

Q.3 Which of the following is the second nearest star to Earth?

Ans ✘ 1. Delta Velorum

✘ 2. Polaris

✘ 3. Sirius

✔ 4. Proxima Centauri

Q.4 Where is the Save button in Microsoft Word?

Ans
- ✓ 1. Top left corner of a Word window
- ✗ 2. Bottom right corner of a Word window
- ✗ 3. Bottom left corner of a Word window
- ✗ 4. Top right corner of a Word window

Q.5 In which year was the Konkan Railway constructed?

Ans
- ✗ 1. 2008
- ✗ 2. 1988
- ✓ 3. 1998
- ✗ 4. 1978

Q.6 What is the minimum over rate per hour in a test match?

Ans
- ✓ 1. 15 over per hour
- ✗ 2. 13 overs per hour
- ✗ 3. 10 overs per hour
- ✗ 4. 17 overs per hour

Q.7 Which of the following occupies less memory when saving an MS-Word file?

Ans
- ✗ 1. .docm
- ✗ 2. .docc
- ✗ 3. .doc
- ✓ 4. .docx

Q.8 Hemis festival is associated with which of the following religions?

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

Q.9 According to the International Football Association Board (IFAB), which colour must the football goal post be?

Ans
- ✗ 1. Black
- ✓ 2. White
- ✗ 3. Red
- ✗ 4. Blue

Q.10 Where is the ITC Sangeet Research Academy located?

Ans
- ✗ 1. Indore
- ✓ 2. Kolkata
- ✗ 3. Delhi
- ✗ 4. Bengaluru

Q.11 The Office of the Registrar General and Census Commissioner, India comes under the:

Ans
- ✗ 1. Ministry of Finance
- ✓ 2. Ministry of Home Affairs
- ✗ 3. Ministry of Corporate Affairs
- ✗ 4. Ministry of Rural Development

Q.12 Identify the INCORRECT statement regarding invertebrates from the options given below.

Ans ✗ 1. They have open circulatory system as there is no organisation in the distribution.

✗ 2. They have radial or bilateral body symmetry.

✗ 3. They have a pair of solid nerve cords, situated ventrally and bearing segmentally arranged ganglia.

✓ 4. They possess a backbone and an internal skeleton.

Q.13 What is the name of the scheme aimed at conservation of wetlands, which was announced in the Union Budget 2023-24?

Ans ✓ 1. Amrit Dharohar

✗ 2. Dharohar

✗ 3. Paryavaran Prahari

✗ 4. Paryavaran Suraksha

Q.14 In February 2023, Shiv Pratap Shukla was appointed governor of which state?

Ans ✗ 1. Haryana

✓ 2. Himachal Pradesh

✗ 3. Tamil Nadu

✗ 4. Bihar

Q.15 Which is the natural habitat of the Asiatic Lion in India?

Ans ✗ 1. Kaziranga National Park

✗ 2. Sundarbans

✓ 3. Gir Forest

✗ 4. Dudhwa National Park

Q.16 Which of the following contains small droplets of liquid or particles of solid dispersed in a gas?

Ans ✗ 1. Gel

✗ 2. Vapour

✓ 3. Aerosol

✗ 4. Foam

Q.17 Ajit Kumar Mohanty took over the charge of Chairman, _____, in May 2023.

Ans ✗ 1. Bhabha Atomic Research Centre

✗ 2. National Human Rights Commission of India

✗ 3. National Commission for Backward Classes

✓ 4. Atomic Energy Commission

Q.18 Bharat Muni, in his Natya Shastra, categorises musical instruments into four different parts. What is the categorisation of musical instruments by Bharat Muni based on?

Ans ✓ 1. Different sounds of the musical instruments

✗ 2. The uses of the musical instruments in different occasions, such as wedding, festivals and public gathering

✗ 3. Different materials used in the musical instruments

✗ 4. The shape of the musical instruments

Q.19 Secularism is a feature of the Indian Constitution, which means:

Ans ✗ 1. The State can promote any religion.

✓ 2. The State does not promote any religion.

✗ 3. The State promotes the religion of the minority community.

✗ 4. The State promotes the religion of the majority community.

Q.20 Who introduced the concept of virtual water?

Ans
- ✗ 1. MS Swaminathan
- ✗ 2. Glubler Triplets
- ✗ 3. Norman Borlaug
- ✓ 4. John Anthony Allan

Q.21 Which Governor General of India issued the famous Regulation XVII in 1829, which declared the practice of Sati illegal and punishable by the courts?

Ans
- ✗ 1. Lord Ellenborough
- ✓ 2. Lord William Bentinck
- ✗ 3. Lord Minto
- ✗ 4. Lord Napier

Q.22 Who is the Indian batsman after whom the Ranji Trophy is named?

Ans
- ✗ 1. Ranjit Patel
- ✗ 2. Ranjit Singh Bedi
- ✗ 3. Ranjit Wadekar
- ✓ 4. Ranjit Sinhji

Q.23 Which of the following is the official language of Tripura?

Ans
- ✗ 1. Khasi
- ✗ 2. Garo
- ✓ 3. Kokborak
- ✗ 4. Mizo

Q.24 Which of the following currency note was discarded by the Government of India in November 2016?

Ans
- ✗ 1. ₹100
- ✗ 2. ₹200
- ✓ 3. ₹500
- ✗ 4. ₹2,000

Q.25 Giddha dance is a folk dance of which of the following states?

Ans
- ✗ 1. Manipur
- ✗ 2. Nagaland
- ✓ 3. Punjab
- ✗ 4. Odisha