

**Combined Higher Secondary Level Examination 2020 (Tier-I)**

Roll Number	
Candidate Name	
Venue Name	
Exam Date	04/08/2021
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Higher Secondary Level Exam 2020

Section : English Language

Q.1 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'.

If he doesn't reach the station in time, he would sure miss the train.

- Ans
- 1. would surely miss
  - 2. No substitution
  - 3. will sure missing
  - 4. will surely miss

Question ID : 6549789568  
Status : Answered  
Chosen Option : 4

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

It is claimed that if you take a certain homeopathic medicine, it will \_\_\_\_\_ you against the coronavirus.

- Ans
- 1. shelter
  - 2. immune
  - 3. reinforce
  - 4. fortify

Question ID : 6549789579  
Status : Answered  
Chosen Option : 2

Q.3 Select the most appropriate synonym of the given word.

WRY

- Ans
- 1. straight
  - 2. frank
  - 3. forthright
  - 4. crooked

Question ID : 6549789577  
Status : Not Answered  
Chosen Option : --

Q.4 In the given sentence, identify the segment which contains the grammatical error.

My mother generally read the local newspaper to keep abreast of the local news.

- Ans
- 1. the local newspaper
  - 2. ofthe local news
  - 3. My mother generally read
  - 4. to keep abreast

Question ID : 6549789557  
Status : Answered  
Chosen Option : 3

Q.5 Select the most appropriate ANTONYM of the given word.

SUSTENANCE

- Ans
- 1. refreshment
  - 2. livelihood
  - 3. starvation
  - 4. nourishment

Question ID : 6549789065  
Status : Not Answered  
Chosen Option : --

Q.6 Select the INCORRECTLY spelt word.

- Ans
- 1. superior
  - 2. superstition
  - 3. superflous
  - 4. supreme

Question ID : 6549789574  
Status : Answered  
Chosen Option : 3

Q.7 Select the option that will improve the underlined segment in the given sentence. In case no improvement is needed, select 'No improvement'

What a palace home!

- Ans
- 1. pushy
  - 2. palatial
  - 3. palatable
  - 4. No improvement

Question ID : 6549789062  
Status : Answered  
Chosen Option : 2

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Q.8 Select the most appropriate synonym of the given word.

**MALIGNANT**

- Ans  1. vicious  
 2. beneficial  
 3. loving  
 4. healthy

Question ID : 6549789073  
Status : Not Answered  
Chosen Option : --

Q.9 Select the most appropriate meaning of the given idiom.

**Under wraps**

- Ans  1. under estimate  
 2. double layered  
 3. secretly  
 4. underhand

Question ID : 6549789067  
Status : Answered  
Chosen Option : 3

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

**DEVIIOUS**

- Ans  1. Deceitful  
 2. shrewd  
 3. straight  
 4. calculating

Question ID : 6549789569  
Status : Not Answered  
Chosen Option : --

Q.11 Select the correct indirect form of the given sentence.

Anju said to Vijaya, "You can stay with us whenever you are in Delhi."

- Ans  1. Anju told Vijaya that she could stay with them whenever she was in Delhi.  
 2. Anju told Vijaya that she could stay with them whenever you were in Delhi.  
 3. Anju told Vijaya that she can stay with us whenever she is in Delhi.  
 4. Anju told Vijaya that you can stay with us whenever you are in Delhi.

Question ID : 6549789556  
Status : Answered  
Chosen Option : 1

Q.12 Select the option which means the same as the group of words given.

A government run by the wealthy people

- Ans
- 1. oligarchy
  - 2. monarchy
  - 3. plutocracy
  - 4. aristocracy

Question ID : 6549789576  
Status : Answered  
Chosen Option : 4

Q.13 Select the correct passive form of the given sentence.

The Central Board of Secondary Education has launched a new helpline for students.

- Ans
- 1. A new helpline for students is launched by the Central Board of Secondary Education.
  - 2. A new helpline for students will be launched by the Central Board of Secondary Education.
  - 3. A new helpline for students had been launched by the Central Board of Secondary Education.
  - 4. A new helpline for students has been launched by the Central Board of Secondary Education.

Question ID : 6549789050  
Status : Answered  
Chosen Option : 4

Q.14 Given below are four jumbled sentences. Out of the given options, pick the one that gives their correct order.

- A. He lived in a small house near the main road of a village.
- B. As both, he and his wife, worked hard, they made a small fortune.
- C. But one thing caused them great sorrow: they had no children.
- D. After he got married, he started a tailor's shop.

- Ans
- 1. ABDC
  - 2. BDAC
  - 3. ADBC
  - 4. BACD

Question ID : 6549789565  
Status : Answered  
Chosen Option : 3

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

Debjyoti's short animation film \_\_\_\_\_ highlights the stark contrast between the rich and the poor in India.

- Ans
- 1. poignantly
  - 2. strictly
  - 3. carelessly
  - 4. sweetly

Question ID : 6549789075  
Status : Answered  
Chosen Option : 2

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

On tenterhooks

- Ans
- 1. Very sad
  - 2. Very tense
  - 3. Very happy
  - 4. very angry

Question ID : 6549789571  
Status : Not Answered  
Chosen Option : --

Q.17 Select the INCORRECTLY spelt word.

- Ans
- 1. disappear
  - 2. until
  - 3. twelfth
  - 4. temperature

Question ID : 6549789068  
Status : Answered  
Chosen Option : 3

Q.18 Examine the four jumbled sentences. Out of the given options, pick the one that gives their correct order.

- A. We gently put the fledgling back into the nest.
- B. One morning, we found one of the four fallen on the ground.
- C. The robin couple built a nest in our verandah and laid four eggs.
- D. Once they had hatched, they busily took turns feeding the four.

- Ans
- 1. CDBA
  - 2. ACDB
  - 3. BADC
  - 4. DABC

Question ID : 6549789061  
Status : Answered  
Chosen Option : 1

Q.19 Select the word which means the same as the group of words given.

That which is incapable of being read or understood

- Ans
- 1. Indelible
  - 2. Illegible
  - 3. Illegal
  - 4. Intelligible

Question ID : 6549789070  
Status : Answered  
Chosen Option : 2

Q.20 The following sentence has been split into four segments. Identify the segment which contains a grammatical error.

Deepu's mother / has repeated asked him / to lower the volume / of his mobile.

- Ans
- 1. has repeated asked him
  - 2. to lower the volume
  - 3. of his mobile
  - 4. Deepu's mother

Question ID : 6549789053  
Status : Answered  
Chosen Option : 1

**Comprehension:**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A year is hardly sufficient time for a Master to (1) \_\_\_\_\_ about a new school, leave alone absorb a distinct tradition like (2) \_\_\_\_\_. Most of the new appointees had not served in a residential school and (3) \_\_\_\_\_ time to learn. But the short tenure did not allow (4) \_\_\_\_\_. They could not develop understanding of the student and his (5) \_\_\_\_\_.

**SubQuestion No : 21**

Q.21 Select the most appropriate option for blank No. 1.

- Ans
- 1. learnt
  - 2. learn
  - 3. learns
  - 4. learning

Question ID : 6549789055  
Status : Answered  
Chosen Option : 2

**Comprehension:**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A year is hardly sufficient time for a Master to (1) \_\_\_\_\_ about a new school, leave alone absorb a distinct tradition like (2) \_\_\_\_\_. Most of the new appointees had not served in a residential school and (3) \_\_\_\_\_ time to learn. But the short tenure did not allow (4) \_\_\_\_\_. They could not develop understanding of the student and his (5) \_\_\_\_\_.

**SubQuestion No : 22**

**Q.22** Select the most appropriate option for blank No. 2.

- Ans
- 1. ourselves
  - 2. himself
  - 3. mine
  - 4. ours

Question ID : 6549789056

Status : Answered

Chosen Option : 1

**Comprehension:**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A year is hardly sufficient time for a Master to (1) \_\_\_\_\_ about a new school, leave alone absorb a distinct tradition like (2) \_\_\_\_\_. Most of the new appointees had not served in a residential school and (3) \_\_\_\_\_ time to learn. But the short tenure did not allow (4) \_\_\_\_\_. They could not develop understanding of the student and his (5) \_\_\_\_\_.

**SubQuestion No : 23**

**Q.23** Select the most appropriate option for blank No. 3.

- Ans
- 1. needing
  - 2. need
  - 3. needed
  - 4. needs

Question ID : 6549789057

Status : Answered

Chosen Option : 2

**Comprehension:**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A year is hardly sufficient time for a Master to (1) \_\_\_\_\_ about a new school, leave alone absorb a distinct tradition like (2) \_\_\_\_\_. Most of the new appointees had not served in a residential school and (3) \_\_\_\_\_ time to learn. But the short tenure did not allow (4) \_\_\_\_\_. They could not develop understanding of the student and his (5) \_\_\_\_\_.

**SubQuestion No : 24**

**Q.24** Select the most appropriate option for blank No. 4.

- Ans
- 1. them
  - 2. those
  - 3. these
  - 4. that

Question ID : 6549789058

Status : Answered

Chosen Option : 1

**Comprehension:**

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A year is hardly sufficient time for a Master to (1) \_\_\_\_\_ about a new school, leave alone absorb a distinct tradition like (2) \_\_\_\_\_. Most of the new appointees had not served in a residential school and (3) \_\_\_\_\_ time to learn. But the short tenure did not allow (4) \_\_\_\_\_. They could not develop understanding of the student and his (5) \_\_\_\_\_.

**SubQuestion No : 25**

**Q.25** Select the most appropriate option for blank No. 5.

- Ans
- 1. environmentalist
  - 2. environmental
  - 3. environment
  - 4. environmentally

Question ID : 6549789059

Status : Answered

Chosen Option : 3

Section : General Intelligence

Q.1 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All computers are machines.  
No television is a computer.  
All televisions are instruments.

Conclusions:

I. Some instruments are machines.  
II. Some machines are computers.  
III. Some televisions are machines.

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

Question ID : 6549789093  
Status : Answered  
Chosen Option : 1

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

a \_bcde \_abbcd \_aabb \_ee

- Ans
- 1. aeaebeed
  - 2. aeecdbea
  - 3. abeaeeed
  - 4. abcdeae

Question ID : 6549788785  
Status : Answered  
Chosen Option : 3

Q.3 Select the option in which the words share the same relationship as that shared by the given pair of words.

Ammeter : Electric current

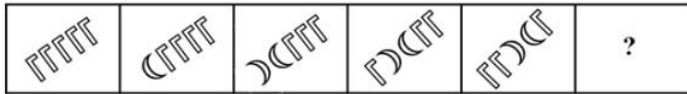
- Ans
- 1. Density : Lactometer
  - 2. Pressure : Barometer
  - 3. Hygrometer : Humidity
  - 4. Polarimeter : Steps

Question ID : 6549789595  
Status : Answered  
Chosen Option : 3

Q.4 'Straw' is related to 'Nest' in the same way as 'Cotton' is related to '\_\_\_\_\_'.  
 Ans  1. Textile industry  
 2. Thread  
 3. Sewing  
 4. Wool

Question ID : 6549789087  
 Status : Answered  
 Chosen Option : 3

Q.5 Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans

- 1.
- 2.
- 3.
- 4.

Question ID : 6549789600  
 Status : Answered  
 Chosen Option : 3

Q.6 The sales boy of a washing machine store charges his customers 24% more than the cost price. If a customer paid ₹6,200 for a washing machine, then what was the cost price of the washing machine?

- Ans  1. ₹5,500  
 2. ₹5,000  
 3. ₹6,200  
 4. ₹7,200

Question ID : 6549789581  
 Status : Answered  
 Chosen Option : 2

Q.7 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

28 16 27  
44 16 15  
84 ? 24

- Ans
- 1. 27
  - 2. 30
  - 3. 28
  - 4. 29

Question ID : 6549789585  
Status : Not Answered  
Chosen Option : --

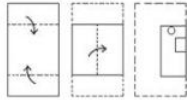
Q.8 Select the option that is related to the third number in the same way as the second number is related to the first number.

12 : 150 :: 14 : ?

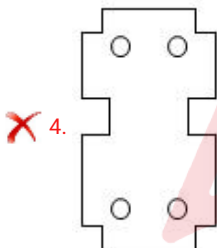
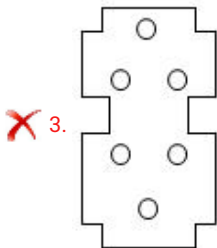
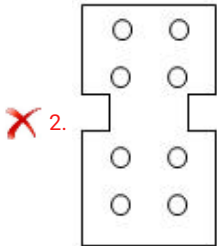
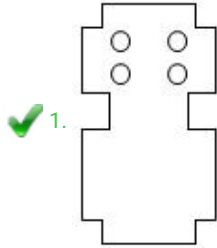
- Ans
- 1. 203
  - 2. 502
  - 3. 302
  - 4. 205

Question ID : 6549789583  
Status : Answered  
Chosen Option : 1

Q.9 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



Ans



Question ID : 6549789098  
Status : Answered  
Chosen Option : 1

Q.10 Select the number from among the given options that can replace the question mark (?) in the following series.

3, 5, 15, 41, ?, 173

- Ans
- ✓ 1. 91
  - ✗ 2. 112
  - ✗ 3. 78
  - ✗ 4. 106

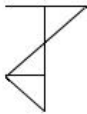
Question ID : 6549789081  
Status : Answered  
Chosen Option : 1

Q.11 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

- Ans
- 1. NRJQ
  - 2. DHSZ
  - 3. TXCJ
  - 4. GKPW

Question ID : 6549789596  
 Status : Not Answered  
 Chosen Option : --

Q.12 Select the option in which the given figure is embedded (rotation is NOT allowed).

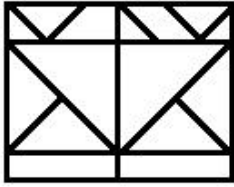


Ans

- 1.
- 2.
- 3.
- 4.

Question ID : 6549789097  
 Status : Answered  
 Chosen Option : 1

Q.13 Find the number of triangles in the given figure.



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

Question ID : 6549789601  
Status : Answered  
Chosen Option : 3

Q.14 In a certain code language, FORWARD is written as CSZXQPE. How will NUMERAL be written in that language?

- Ans
- 1. MZSDNTO
  - 2. KZQDLTL
  - 3. KBQFLVM
  - 4. MUNELAR

Question ID : 6549789084  
Status : Answered  
Chosen Option : 3

Q.15 Which two signs should be interchanged to make the following equation correct?

$$12 - 8 + 4 \div 2 \times 8 = 4$$

- Ans
- 1. - and  $\times$
  - 2.  $\times$  and +
  - 3.  $\div$  and -
  - 4.  $\times$  and  $\div$

Question ID : 6549789077  
Status : Answered  
Chosen Option : 2

Q.16 In a certain code language, HAMPER is coded as 17212322036 and INSULT is coded as 16286421340. How will SAFETY be coded in that language?

- Ans
- 1. 621910550
  - 2. 612195030
  - 3. 629101350
  - 4. 610195320

Question ID : 6549789590  
Status : Not Answered  
Chosen Option : --

Q.17 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

BYDW : UFSH :: CXFU : ?

- Ans
- 1. TGQJ
  - 2. SHQJ
  - 3. RIPK
  - 4. RIOL

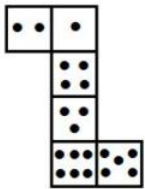
Question ID : 6549789086  
Status : Answered  
Chosen Option : 1

Q.18 Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different.

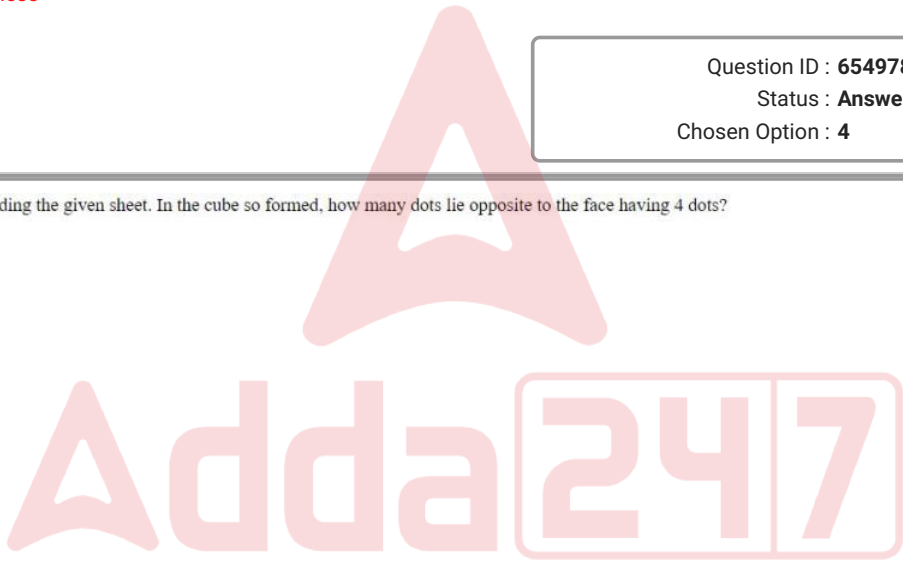
- Ans
- 1. Integrity
  - 2. Joviality
  - 3. Honesty
  - 4. Truthfulness

Question ID : 6549789092  
Status : Answered  
Chosen Option : 4

Q.19 A cube is made by folding the given sheet. In the cube so formed, how many dots lie opposite to the face having 4 dots?



- Ans
- 1. 2
  - 2. 5
  - 3. 6
  - 4. 1

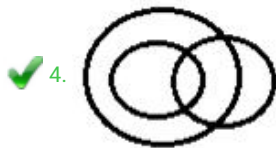
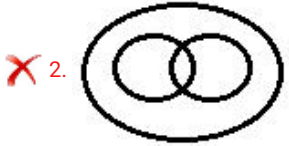


Question ID : 6549789599  
Status : Answered  
Chosen Option : 3

Q.20 Select the Venn diagram that best represents the relationship between the following classes.

Women, Professors, Widows

Ans



Question ID : 6549789605  
Status : Answered  
Chosen Option : 4

Q.21 Snigdha said that she met her mother's only brother's son's mother's father-in-law. Whom did she meet?

Ans

1. Father

2. Uncle

3. Grandfather

4. Brother

Question ID : 6549788281  
Status : Answered  
Chosen Option : 3

Q.22 Four numbers have been given, out of which three are alike in some manner and one is different. Select the number that is different.

Ans

1. 6341

2. 6138

3. 5423

4. 1652

Question ID : 6549789587  
Status : Answered  
Chosen Option : 2

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

{9, 12, 18}

- Ans
- 1. {7, 13, 27}
  - 2. {21, 29, 44}
  - 3. {5, 12, 24}
  - 4. {13, 19, 31}

Question ID : 6549789079

Status : Answered

Chosen Option : 4

Q.24 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Multifocal
2. Movement
3. Multinomial
4. Moviemaker
5. Mutual fund

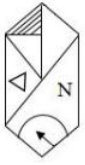
- Ans
- 1. 4, 2, 3, 1, 5
  - 2. 1, 5, 2, 3, 4
  - 3. 4, 2, 1, 3, 5
  - 4. 2, 4, 1, 3, 5

Question ID : 6549789588

Status : Answered

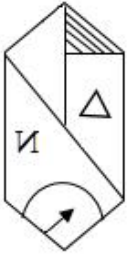
Chosen Option : 4

Q.25 Select the correct mirror image of the given figure when the mirror is placed at the right side of the figure.

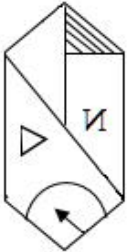


Ans

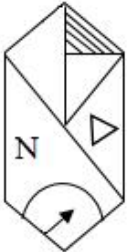
✗ 1.



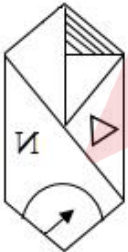
✗ 2.



✗ 3.



✓ 4.



Question ID : 6549789099  
Status : Answered  
Chosen Option : 4

Q.1 A solid metallic hemisphere of radius 6.3 cm is melted and recast into a right circular cylinder of radius 9 cm. What is the height (in cm, correct to one decimal place) of the cylinder?

- Ans
- 1. 1.9
  - 2. 2.7
  - 3. 2.5
  - 4. 2.1

Question ID : 6549789103  
Status : Answered  
Chosen Option : 4

Q.2 If  $\cos \theta = \frac{4x}{1+4x^2}$ , then what is the value of  $\sin \theta$  ?

- Ans
- 1.  $\frac{1+4x^2}{1-4x^2}$
  - 2.  $\frac{1+4x^2}{4x^2}$
  - 3.  $\frac{1-4x^2}{1+4x^2}$
  - 4.  $\frac{1-4x^2}{4x}$

Question ID : 6549789625  
Status : Answered  
Chosen Option : 3

Q.3 In a triangle ABC,  $\angle BAC = 90^\circ$  and AD is perpendicular to BC. If AD = 8.4 cm and BD = 4.8 cm, then the length of BC is:

- Ans
- 1. 19.5 cm
  - 2. 15 cm
  - 3. 18 cm
  - 4. 18.5 cm

Question ID : 6549789113  
Status : Answered  
Chosen Option : 1

Q.4 Tap P can fill a cistern in 6 hours and tap Q can empty the full cistern in 10 hours. If both taps P and Q are kept open simultaneously, then in how many hours will the empty cistern be completely full?

- Ans
- 1. 15
  - 2. 18
  - 3. 16
  - 4. 12

Question ID : 6549789101  
Status : Answered  
Chosen Option : 1

Q.5 One dozen notebooks quoted at ₹125 are available at 20% discount. How many notebooks can be bought for ₹75?

- Ans
- 1. 10
  - 2. 6
  - 3. 9
  - 4. 8

Question ID : 6549789105  
Status : Answered  
Chosen Option : 3

Q.6 A man invests ₹7,000 at 8% per annum simple interest for 2 years and ₹10,000 at compound interest at the same rate for the same period, compounded annually. What will be the total interest and the total amount (in ₹) respectively, on maturity?

- Ans
- 1. 19,748 and 2,874
  - 2. 2,748 and 19,784
  - 3. 19,784 and 2,784
  - 4. 2,784 and 19,784

Question ID : 6549789614  
Status : Answered  
Chosen Option : 4

Q.7 If  $(\sin A - \cos A) = 0$ , then what is the value of  $\cot A$ ?

- Ans
- 1.  $\frac{\pi}{6}$
  - 2. 0
  - 3. 1
  - 4.  $\frac{\pi}{4}$

Question ID : 6549789119  
Status : Answered  
Chosen Option : 3

Q.8 A boat can travel with a speed of 19 km/h in still water. If the speed of the stream is 3 km/h, then what will be the total time (in hours) taken by the boat to go 88 km downstream and 24 km upstream?

- Ans
- 1. 4.5
  - 2. 5
  - 3. 4
  - 4. 5.5

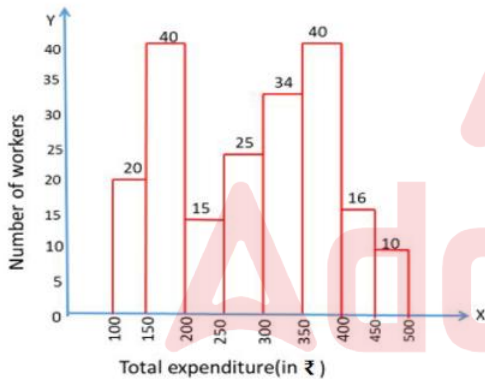
Question ID : 6549789607  
 Status : Answered  
 Chosen Option : 4

Q.9 A is 150% of B and B is 40% of C. If  $A + B + C = 20$ , then the value of  $2B + 3C - 4A$  is equal to:

- Ans
- 1. 16
  - 2. 14
  - 3. 20
  - 4. 15

Question ID : 6549789611  
 Status : Answered  
 Chosen Option : 2

Q.10 The following histogram represents the distribution of household expenditure (in ₹) of 200 manual workers in a city.



The ratio of the number of workers whose household expenditure is less than ₹200 to the number of workers whose household expenditure is ₹300 and above is:

- Ans
- 1. 3 : 5
  - 2. 2 : 5
  - 3. 4 : 5
  - 4. 3 : 4

Question ID : 6549789122  
 Status : Answered  
 Chosen Option : 1

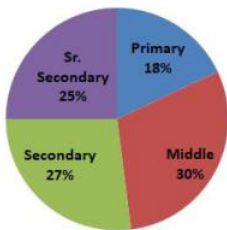
Q.11 Using algebraic identities, simplify the following expression.

$$\frac{(x^4 + x^2 + 1)}{(x^2 + x + 1)}$$

- Ans
- 1.  $(x^2 - 2x + 1)$
  - 2.  $(x^2 + x + 1)$
  - 3.  $(x^2 + 2x + 1)$
  - 4.  $(x^2 - x + 1)$

Question ID : 6549789116  
Status : Answered  
Chosen Option : 4

Q.12 Students of Primary, Middle, Secondary and Sr. Secondary classes collected donation for a Relief Fund as shown in the pie chart. If the donation collected from Middle classes was ₹6,750, then how much money was collected by the Primary classes?



- Ans
- 1. ₹4,050
  - 2. ₹4,005
  - 3. ₹4,500
  - 4. ₹3,960

Question ID : 6549789427  
Status : Answered  
Chosen Option : 1

Q.13 One-quarter of a circular pizza of diameter 28 cm was removed from the whole pizza. What is the perimeter (in cm) of the remaining pizza? (Take  $\pi = \frac{22}{7}$ .)

- Ans
- 1. 88
  - 2. 94
  - 3. 80
  - 4. 66

Question ID : 6549789111  
Status : Answered  
Chosen Option : 4

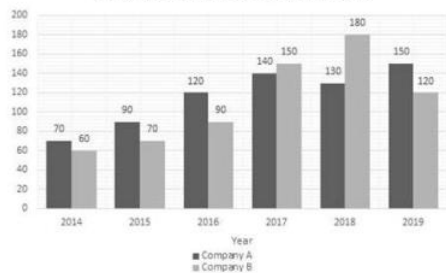
**Q.14** The inner and outer radii of two concentric circles are 6.7 cm and 9.5 cm, respectively. What is the difference between their circumferences (in cm)? Take  $\pi = \frac{22}{7}$ .

- Ans**
- 1. 20.5
  - 2. 10.4
  - 3. 6.5
  - 4. 17.6

Question ID : 6549789615  
Status : Answered  
Chosen Option : 4

**Q.15** Study the given graph and answer the question that follows.

Production (in lakh tonnes) of paper by two companies A and B during 2014 to 2019



The average production of paper by company B in 2014, 2017 and 2018 was  $13\frac{1}{3}\%$  less than the production of paper by company A in the year:

- Ans**
- 1. 2016
  - 2. 2018
  - 3. 2017
  - 4. 2019

Question ID : 6549787911  
Status : Answered  
Chosen Option : 4

**Q.16** What is the perimeter (in cm) of an equilateral triangle whose height is 3.46 cm? Take  $\sqrt{3} = 1.73$ .

- Ans**
- 1. 10.4
  - 2. 9
  - 3. 6
  - 4. 12

Question ID : 6549789617  
Status : Answered  
Chosen Option : 3

Q.17 The value of  $\left[ \{(232 \div 29 \text{ of } 2) + 77 \times 10\} \div 18 \right] - \frac{18 \times 8 + 4 \text{ of } 3 - 4}{2 \times (8 - 6) + 1 - 2 \times 3 + 4 \text{ of } \frac{1}{2}}$  is:

- Ans
- 1. 39
  - 2. 44
  - 3. 33
  - 4. 47

Question ID : 6549789118  
Status : Answered  
Chosen Option : 1

Q.18 The string of a kite is 158 m long and it makes an angle of  $30^\circ$  with the horizontal. What is the height (in m) of the kite? Assume there is no slack in the string.

- Ans
- 1. 100
  - 2. 99
  - 3. 79
  - 4. 80

Question ID : 6549789121  
Status : Answered  
Chosen Option : 3

Q.19 If  $\left(x + \frac{1}{x}\right)^3 = 27$ , then what is the value of  $\left(x^2 + \frac{1}{x^2}\right)$ ? Given that  $x$  is real.

- Ans
- 1. 11
  - 2. 25
  - 3. 7
  - 4. 9

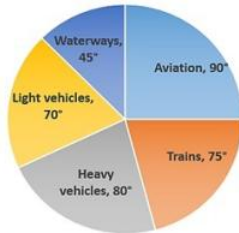
Question ID : 6549789619  
Status : Answered  
Chosen Option : 3

Q.20 Study the given pie-chart and answer the question that follows.

The pie-chart represents the consumption of fuel (in million litres) by various modes of transport of a country X in the year 2015. The total consumption of fuel by various modes of transport of the country is 800 million litres.

(The data shown here is only for mathematical exercise. They do not represent the actual figures of the country.)

Consumption of fuel (in million litres) by various modes of transport of a country X in the year 2015



To obtain fuel, energy is required to run the machinery, which is to be produced by burning coal.

If 1 tonne of coal is burnt to produce 0.4 million litres of oil, then approximately what is the requirement of coal (in tonnes) for the Trains sector?

- Ans
- 1. 417
  - 2. 415
  - 3. 418
  - 4. 420

Question ID : 6549789630  
Status : Answered  
Chosen Option : 1

Q.21 One-fifth of a journey is covered at a speed of 30 km/h, one-fourth of the journey at a speed of 25 km/h and the rest at 60 km/h. What is the average speed (in km/h, correct to one decimal place) for the whole journey?

- Ans
- 1. 38.7
  - 2. 30.6
  - 3. 40.5
  - 4. 25.4

Question ID : 6549789609  
Status : Answered  
Chosen Option : 1

Q.22 If  $a + b = p$ ,  $ab = q$ , then  $(a^4 + b^4)$  is equal to:

- Ans
- 1.  $p^4 - 2p^2q^2 + q^2$
  - 2.  $p^4 - 4p^2q^2 + 2q^2$
  - 3.  $p^4 - 4p^2q + q^2$
  - 4.  $p^4 - 4p^2q + 2q^2$

Question ID : 6549789115  
Status : Answered  
Chosen Option : 4

Q.23 What is the greatest five-digit number that is completely divisible by 8, 15, 16, 21 and 5?

- Ans
- 1. 92680
  - 2. 99120
  - 3. 95760
  - 4. 98320

Question ID : 6549789622  
Status : Answered  
Chosen Option : 2

Q.24 By selling an article for ₹1,170, Elisa suffers as much loss as she would have gained by selling it at a profit of 22%. If she sells it for ₹1,450, then her profit/loss per cent (correct up to one decimal place) is:

- Ans
- 1. Profit, 3.3
  - 2. Loss, 3.3
  - 3. Loss, 26.2
  - 4. Profit, 26.2

Question ID : 6549789107  
Status : Answered  
Chosen Option : 2

Q.25 If  $A : B = 11 : 7$  and  $B : C = 5 : 19$ , then what is  $A : B : C$ ?

- Ans
- 1. 55 : 35 : 133
  - 2. 35 : 55 : 133
  - 3. 35 : 133 : 55
  - 4. 55 : 133 : 35

Question ID : 6549789613  
Status : Answered  
Chosen Option : 1

Section : General Awareness

Q.1 Who among the following is the first Indian pistol shooter to reach number one in world rankings by the International Shooting Sport Federation?

- Ans
- 1. Heena Sidhu
  - 2. Kajal Saini
  - 3. Tejaswini Sawant
  - 4. Suma Shirur

Question ID : 6549789149  
Status : Not Answered  
Chosen Option : --

Q.2 Who among the following has become the first woman umpire to officiate in a men's Test match in January 2021?

- Ans
- 1. Danielle Wyatt
  - 2. Jess Jonassen
  - 3. Suzie Bates
  - 4. Claire Polosak

Question ID : 6549789655  
Status : Not Answered  
Chosen Option : --

Q.3 Which part of soil has organic materials incorporated with the mineral matter, nutrients and water?

- Ans
- 1. Horizon D
  - 2. Horizon C
  - 3. Horizon A
  - 4. Horizon B

Question ID : 6549789138  
Status : Not Answered  
Chosen Option : --

Q.4 In which of the following states is Sabarimala Sree Dharma Sastha Temple located?

- Ans
- 1. Karnataka
  - 2. Telangana
  - 3. Andhra Pradesh
  - 4. Kerala

Question ID : 6549789633  
Status : Not Answered  
Chosen Option : --

Q.5 Identify the Indian state which was known as 'Pragjyotisha' during the epic period.

- Ans
- 1. Assam
  - 2. Odisha
  - 3. Kerala
  - 4. Bihar

Question ID : 6549789142  
Status : Not Answered  
Chosen Option : --

Q.6 What is the SI unit for measuring pressure?

- Ans  1. Pascal  
 2. Candela  
 3. Ampere  
 4. Kelvin

Question ID : 6549789135  
Status : Answered  
Chosen Option : 1

Q.7 Who among the following was appointed by AIFF (All India Football Federation) as its first Deputy General Secretary in January 2021?

- Ans  1. Abhishek Yadav  
 2. Praful Patel  
 3. Umesh Sinha  
 4. Kushal Das

Question ID : 6549789653  
Status : Not Answered  
Chosen Option : --

Q.8 Kabartal Wetland was designated as a Ramsar site in 2020. In which of the following states is it located?

- Ans  1. Haryana  
 2. Bihar  
 3. Himachal Pradesh  
 4. Punjab

Question ID : 6549789645  
Status : Not Answered  
Chosen Option : --

Q.9 \_\_\_\_\_ are gently sloping areas of the ocean basins.

- Ans  1. Deep sea plains  
 2. Continental shelves  
 3. Continental slopes  
 4. Oceanic deeps

Question ID : 6549789139  
Status : Not Answered  
Chosen Option : --

Q.10 Who among the following was appointed as the Chief Justice of the Andhra Pradesh High Court in January 2021?

- Ans
- 1. Sharad Arvind Bobde
  - 2. Hima Kohli
  - 3. Rajan Datta
  - 4. Arup Kumar Goswami

Question ID : 6549789636  
Status : Answered  
Chosen Option : 4

Q.11 Who among the following Indian nationals got the 'Legion of Merit' Award 2020 from the US?

- Ans
- 1. Dr Manmohan Singh
  - 2. Narendra Modi
  - 3. Dr K Sivan
  - 4. General Bipin Rawat

Question ID : 6549789144  
Status : Answered  
Chosen Option : 2

Q.12 Who among the following became the first Lokpal of India?

- Ans
- 1. Dilip B Bhosale
  - 2. Pradip Kumar Mohanty
  - 3. Pinaki Chandra Ghose
  - 4. Ajay Kumar Tripathi

Question ID : 6549789147  
Status : Not Answered  
Chosen Option : --

Q.13 In which of the following states did the Land Grabbing (Prohibition) Act, 2020 come into force in December 2020?

- Ans
- 1. Punjab
  - 2. Maharashtra
  - 3. Gujarat
  - 4. Madhya Pradesh

Question ID : 6549789132  
Status : Not Answered  
Chosen Option : --

Q.14 What happens to Indian exports when Indian rupee is devalued?

- Ans
- 1. Export prices fluctuate
  - 2. Exports become cheaper
  - 3. Export prices remain stable
  - 4. Exports become dearer

Question ID : 6549789134  
Status : Not Answered  
Chosen Option : --

Q.15 \_\_\_\_\_ is the process of turning on a computer and powering up the system.

- Ans
- 1. Booting
  - 2. Loading
  - 3. Saving
  - 4. Execution

Question ID : 6549789631  
Status : Answered  
Chosen Option : 1

Q.16 What do you call a key on a computer keyboard that is used to move the pointer (cursor) around on the screen?

- Ans
- 1. Navigation key
  - 2. Numeric key
  - 3. Function key
  - 4. Control key

Question ID : 6549789127  
Status : Answered  
Chosen Option : 1

Q.17 Vitamin B12 is generally NOT present in \_\_\_\_\_.

- Ans
- 1. milk products
  - 2. plant foods
  - 3. fish products
  - 4. poultry products

Question ID : 6549789137  
Status : Not Answered  
Chosen Option : --

Q.18 Who among the following is considered as the 'Father of Modern Atomic Theory'?

- Ans
- 1. Robert Boyle
  - 2. John Dalton
  - 3. Willard Gibbs
  - 4. Otto Hahn

Question ID : 6549789641  
Status : Not Answered  
Chosen Option : --

Q.19 \_\_\_\_\_ plains are formed due to the weathering of soluble rocks such as limestone and dolomite.

- Ans
- 1. Glacial
  - 2. Karst
  - 3. Deposition
  - 4. Desert

Question ID : 6549789646  
Status : Not Answered  
Chosen Option : --

Q.20 Which of the following state governments unveiled a Braille version of the Constitution of India in January 2021?

- Ans
- 1. Haryana
  - 2. Andhra Pradesh
  - 3. Punjab
  - 4. Maharashtra

Question ID : 6549789635  
Status : Not Answered  
Chosen Option : --

Q.21 In which of the following cities is the corporate centre of State Bank of India (SBI) situated?

- Ans
- 1. Hyderabad
  - 2. Kolkata
  - 3. Mumbai
  - 4. Bengaluru

Question ID : 6549789638  
Status : Not Answered  
Chosen Option : --

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Q.22 In which of the following years was the Vijayanagar empire founded?

- Ans
- 1. 1456
  - 2. 1229
  - 3. 1412
  - 4. 1336

Question ID : 6549789648  
Status : Not Answered  
Chosen Option : --

Q.23 In which of the following years did Telangana become the 29th state of India after the reorganisation of the state of Andhra Pradesh?

- Ans
- 1. 2014
  - 2. 1994
  - 3. 2010
  - 4. 1998

Question ID : 6549789651  
Status : Answered  
Chosen Option : 1

Q.24 'Kati Bihu' in Assam is celebrated by lighting a lamp in front of a \_\_\_\_\_ tree / plant.

- Ans
- 1. banyan
  - 2. tulsi
  - 3. banana
  - 4. neem

Question ID : 6549789129  
Status : Not Answered  
Chosen Option : --

Q.25 Who among the following was awarded the Rabindranath Tagore Literary Award 2020?

- Ans
- 1. Ashraf Patel
  - 2. Ranjitsinh Disale
  - 3. Vidyut Mohan
  - 4. Raj Kamal Jha

Question ID : 6549789650  
Status : Not Answered  
Chosen Option : --