

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

|                |                                           |
|----------------|-------------------------------------------|
| Roll Number    |                                           |
| Candidate Name |                                           |
| Venue Name     |                                           |
| Exam Date      | 16/04/2021                                |
| Exam Time      | 3:00 PM - 4:00 PM                         |
| Subject        | Combined Higher Secondary Level Exam 2020 |

Section : English Language

Q.1 Fill in the blank with most appropriate word.

I am sorry to \_\_\_\_\_ on you at this late hour.

- Ans
- ☒ 1. instruct
  - ☒ 2. intrude
  - ☒ 3. interfere
  - ☒ 4. interrupt

Question ID : 6549788065

Status : Answered

Chosen Option : 4

Q.2 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'.

There was a bell over the door that jingled whenever a customer entered.

- Ans
- ☒ 1. which jingled wherever
  - ☒ 2. who jingles whenever
  - ☒ 3. No substitution
  - ☒ 4. that jingle when

Question ID : 6549788052

Status : Answered

Chosen Option : 3

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

SPURIOUS

- Ans
- ☒ 1. genuine
  - ☒ 2. artificial
  - ☒ 3. counterfeit
  - ☒ 4. phony

Question ID : 6549788055

Status : Answered

Chosen Option : 1

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

Where did you kept the sack of wheat that I bought from the market?

- Ans
-  1. that I bought
  -  2. the sack of wheat
  -  3. Where did you kept
  -  4. from the market

Question ID : 6549788043  
Status : Answered  
Chosen Option : 1

**Q.5** Select the INCORRECTLY spelt word.

- Ans
-  1. Fascinate
  -  2. Obscene
  -  3. Abscess
  -  4. Architect

Question ID : 6549786948  
Status : Answered  
Chosen Option : 1

**Q.6** Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

- A. No version of the origin of California's name has been fully accepted, but there is wide support for the contention that it derived from an early 16th-century Spanish novel.
- B. California is a constituent state of the United States of America.
- C. It was admitted as the 31st state of the union on 9 September 1850 and by the early 1960s it was the most populous U.S. state.
- D. The influence of the Spanish settlers of the 18th and 19th centuries is evident in California's architecture and place-names.

- Ans
-  1. BACD
  -  2. BCAD
  -  3. DACB
  -  4. ADCB

Question ID : 6549786939  
Status : Answered  
Chosen Option : 2

**Q.7** Select the option that can be used as a one-word substitute for the given group of words.

A close-fitting cover for the blade of a knife or sword

- Ans
-  1. Sheath
  -  2. Shield
  -  3. Case
  -  4. Carrier

Question ID : 6549786950  
Status : Answered  
Chosen Option : 1

Q.8 Given below are four sentences in jumbled order. Select the option that gives their correct order.

- A. In such places, strong winds blow raising heaps of sand.
- B. Some deserts are almost totally without water.
- C. These dunes shift and move endlessly across the desert.
- D. This sand is deposited in huge mounds called 'sand dunes'.

Ans  1. BADC

 2. DACB

 3. CDBA

 4. BACD

Question ID : 6549788051

Status : Answered

Chosen Option : 1

Q.9 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 required'.

Kunal did not anticipate the need, so he did not carries his own water bottle.

Ans  1. so he did not carry his own

 2. so he does not carry his own

 3. so he did not carried his own

 4. No substitution required

Question ID : 6549786942

Status : Answered

Chosen Option : 1

Q.10 Select the option that expresses the given sentence in direct speech.

They said that they would issue the certificate the following week.

Ans  1. They said, "They issued the certificate the following week."

 2. They said, "They are issuing the certificate the next week."

 3. They said, "Could we issue the certificate the following week?"

 4. They said, "We will issue the certificate next week."

Question ID : 6549786930

Status : Answered

Chosen Option : 4

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

The poor washerwoman washes dirty clothes from morning to evening.

Ans  1. Dirty clothes are washed by the poor washerwoman from morning to evening.

 2. Dirty clothes are being washed by the poor washerwoman from morning to evening.

 3. Dirty clothes were washed by the poor washerwoman from morning to evening.

 4. Dirty clothes have been washed by the poor washerwoman from morning to evening.

Question ID : 6549788040

Status : Answered

Chosen Option : 1

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

The team leader asked for a \_\_\_\_\_ report to be given, in not more than one page.

- Ans
- ☒ 1. complex
  - ☒ 2. concise
  - ☒ 3. curt
  - ☒ 4. compound

Question ID : 6549786953  
Status : Answered  
Chosen Option : 2

Q.13 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

Pavan returned back home / when he completed / his assignment abroad.

- Ans
- ☒ 1. Pavan returned back home
  - ☒ 2. when he completed
  - ☒ 3. his assignment abroad
  - ☒ 4. No error

Question ID : 6549786931  
Status : Answered  
Chosen Option : 4

Q.14 Select the most appropriate meaning of the underlined idiom in the given sentence.

Terrorists kill thousands of innocent people in cold blood.

- Ans
- ☒ 1. in mountainous areas
  - ☒ 2. by freezing to death
  - ☒ 3. accidentally
  - ☒ 4. cruelly, without any emotions

Question ID : 6549788057  
Status : Answered  
Chosen Option : 4

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

Hazy

- Ans
- ☒ 1. Soft
  - ☒ 2. Clear
  - ☒ 3. Dim
  - ☒ 4. Faint

Question ID : 6549786943  
Status : Answered  
Chosen Option : 2

Q.16 Select the most appropriate synonym of the given word.

Novice

- Ans
-  1. Expert
  -  2. Silent
  -  3. Beginner
  -  4. Adept

Question ID : 6549786951  
Status : Answered  
Chosen Option : 3

Q.17 Select the misspelt word.

- Ans
-  1. brutle
  -  2. cruel
  -  3. junior
  -  4. coarse

Question ID : 6549788058  
Status : Answered  
Chosen Option : 1

Q.18 Select the most appropriate synonym of the given word.

DIVULGE

- Ans
-  1. suppress
  -  2. conceal
  -  3. reveal
  -  4. decide

Question ID : 6549788063  
Status : Answered  
Chosen Option : 3

Q.19 Select the most appropriate meaning of the given idiom.

A sea change

- Ans
-  1. Going on a trip abroad
  -  2. Getting transferred overseas
  -  3. Complete transformation
  -  4. Health-related vacation

Question ID : 6549786945  
Status : Answered  
Chosen Option : 3

**Q.20 Select the most appropriate one-word substitution for the given words.**

**a seven-sided figure**

- Ans
- ☒ 1. hexagon
  - ☒ 2. pentagon
  - ☒ 3. heptagon
  - ☒ 4. octagon

Question ID : 6549788060

Status : Answered

Chosen Option : 3

**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.

I had the train compartment to myself up to Rohana and then a girl got in. The couple who saw her off were (1)\_\_\_\_\_ her parents. They seemed very anxious (2)\_\_\_\_\_ her comfort and gave the girl (3)\_\_\_\_\_ instructions as to where to keep (4)\_\_\_\_\_ things, when not to lean out and how to (5)\_\_\_\_\_ speaking to strangers.

**SubQuestion No : 21**

**Q.21 Select the most appropriate option to fill in the blank no. 1.**

- Ans
- ☒ 1. probably
  - ☒ 2. likely
  - ☒ 3. absolutely
  - ☒ 4. exactly

Question ID : 6549788045

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.

I had the train compartment to myself up to Rohana and then a girl got in. The couple who saw her off were (1)\_\_\_\_\_ her parents. They seemed very anxious (2)\_\_\_\_\_ her comfort and gave the girl (3)\_\_\_\_\_ instructions as to where to keep (4)\_\_\_\_\_ things, when not to lean out and how to (5)\_\_\_\_\_ speaking to strangers.

**SubQuestion No : 22**

**Q.22 Select the most appropriate option to fill in the blank no. 2.**

- Ans
- ☒ 1. over
  - ☒ 2. about
  - ☒ 3. during
  - ☒ 4. with

Question ID : 6549788046

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.

I had the train compartment to myself up to Rohana and then a girl got in. The couple who saw her off were (1)\_\_\_\_\_ her parents. They seemed very anxious (2)\_\_\_\_\_ her comfort and gave the girl (3)\_\_\_\_\_ instructions as to where to keep (4)\_\_\_\_\_ things, when not to lean out and how to (5)\_\_\_\_\_ speaking to strangers.

**SubQuestion No : 23**

**Q.23** Select the most appropriate option to fill in the blank no. 3.

- Ans  1. dangerous  
 2. detailed  
 3. diluted  
 4. difficult

Question ID : **6549788047**

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.

I had the train compartment to myself up to Rohana and then a girl got in. The couple who saw her off were (1)\_\_\_\_\_ her parents. They seemed very anxious (2)\_\_\_\_\_ her comfort and gave the girl (3)\_\_\_\_\_ instructions as to where to keep (4)\_\_\_\_\_ things, when not to lean out and how to (5)\_\_\_\_\_ speaking to strangers.

**SubQuestion No : 24**

**Q.24** Select the most appropriate option to fill in the blank no. 4.

- Ans  1. her  
 2. their  
 3. his  
 4. our

Question ID : **6549788048**

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.

I had the train compartment to myself up to Rohana and then a girl got in. The couple who saw her off were (1)\_\_\_\_\_ her parents. They seemed very anxious (2)\_\_\_\_\_ her comfort and gave the girl (3)\_\_\_\_\_ instructions as to where to keep (4)\_\_\_\_\_ things, when not to lean out and how to (5)\_\_\_\_\_ speaking to strangers.

**SubQuestion No : 25**

**Q.25** Select the most appropriate option to fill in the blank no. 5.

- Ans
-  1. protest
  -  2. reject
  -  3. avoid
  -  4. protect

Question ID : 6549788049

Status : Answered

Chosen Option : 3

**Section : General Intelligence**

**Q.1** Select the correct combination of mathematical signs to sequentially replace the \* signs to balance the following equation.

$$40 * 5 * 7 * 24 * 6 * 38$$

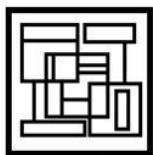
- Ans
-  1.  $\div, -, \times, +, =$
  -  2.  $+, \times, -, \div, =$
  -  3.  $+, \times, \div, -, =$
  -  4.  $\div, \times, -, +, =$

Question ID : 6549788067

Status : Answered

Chosen Option : 4

**Q.2** Select the option figure which is NOT embedded in figure X as its part (rotation is NOT allowed).



**Figure X**

**Ans**

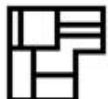
✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID : 6549788087

Status : Answered

Chosen Option : 1

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

**Rat : Rodent**

**Ans**



1. Frog : Reptile



2. Cattle : Cow



3. Whale : Shark



4. Ostrich : Bird

Question ID : 6549786969

Status : Answered

Chosen Option : 4

Q.4 Select the correct mirror image of the given figure when a mirror is placed on the right side of the figure.



Ans

✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question ID : 6549788089

Status : Answered

Chosen Option : 3

Q.5 Select the number that can replace the question mark (?) in the following series.

14, 28, 31, 124, 129, ?

Ans

✓ 1. 774

✗ 2. 644

✗ 3. 447

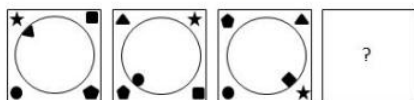
✗ 4. 666

Question ID : 6549788071

Status : Not Answered

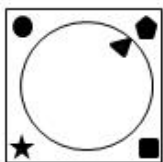
Chosen Option : --

**Q.6** Select the figure from among the given options that can replace the question mark (?) in the following series.



**Ans**

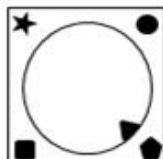
1.



2.



3.



4.



Question ID : 6549786974

Status : Answered

Chosen Option : 4

**Q.7** Select the option in which the numbers are related in the same way as are the numbers of the following set.

122 : 340 : 726

**Ans** 1. 1886 : 3068 : 4606

2. 2194 : 3372 : 4910

3. 2199 : 3377 : 4915

4. 1951 : 3084 : 4217

Question ID : 6549786959

Status : Not Answered

Chosen Option : --

**Q.8** Two 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 conclusions logically follow(s) from the statements.

**Statements:**

Some pins are roses.

No rose is a machine.

**Conclusions:**

I. Some roses are pins.

II. Some pins are not machines.

III. All machines are pins.

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

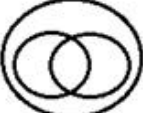
Question ID : 6549788083

Status : Answered

Chosen Option : 4

**Q.9** Select the Venn diagram that best represents the relationship between the following classes.

Father, Men, Uncle

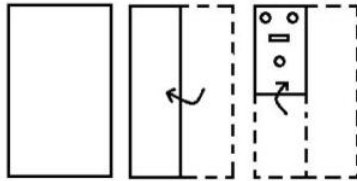
- Ans**
- ☒ 1. 
  - ☒ 2. 
  - ☒ 3. 
  - ☒ 4. 

Question ID : 6549786979

Status : Answered

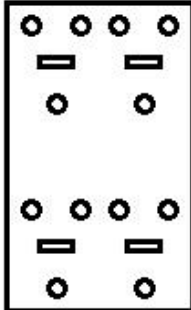
Chosen Option : 3

**Q.10** A piece of paper is folded and cut as shown below in the question figures. Select from the given answer figures, how it will appear when unfolded.

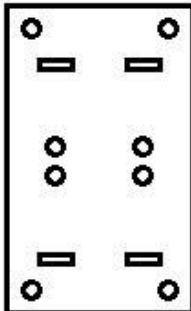


Ans

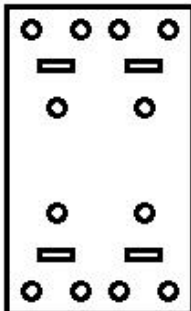
✗ 1.



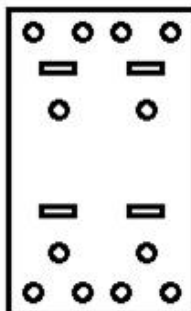
✗ 2.



✓ 3.



✗ 4.



Question ID : 6549788088  
Status : Answered  
Chosen Option : 3

Q.11 Select the option in which the numbers share the same relationship as that shared by the numbers in the given set.

(850, 645, 410)

- Ans  1. (558, 256, 356)  
 2. (550, 402, 135)  
 3. (440, 229, 422)  
 4. (751, 396, 544)

Question ID : 6549788069

Status : Not Answered

Chosen Option : --

Q.12 In a code language, CANDLE is written as FMEOBD. How will FIXING be written in that language?

- Ans  1. HOJYKH  
 2. FOKYKG  
 3. HPJWJG  
 4. HOJYJG

Question ID : 6549788074

Status : Answered

Chosen Option : 4

Q.13 In a certain code language, LIABILITY is coded as 141 and OFFICIATE is coded as 166. How will STATUTORY be coded in that language?

- Ans  1. 87  
 2. 159  
 3. 156  
 4. 81

Question ID : 6549786964

Status : Not Answered

Chosen Option : --

Q.14 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. YWTP  
 2. PMJG  
 3. MKHD  
 4. USPL

Question ID : 6549786970

Status : Answered

Chosen Option : 3

Q.15 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Deceive
2. Deceptive
3. Decapitate
4. Decency
5. Decamp

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

Question ID : 6549786962

Status : Answered

Chosen Option : 4

Q.16 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.

UDM : YZQ :: QCT : ?

Ans  1. UYK  
 2. YGZ  
 3. UYX  
 4. VZN

Question ID : 6549788076

Status : Answered

Chosen Option : 3

Q.17 A father's age at the time of the birth of his son is the same as the present age of the son. If the age of the son was 15 years five years ago, then what is the current age of the father?

Ans  1. 45 years  
 2. 40 years  
 3. 30 years  
 4. 35 years

Question ID : 6549786955

Status : Answered

Chosen Option : 2

Q.18 How many triangles are there in the given figure?



- Ans
- ☒ 1. 26
  - ☒ 2. 22
  - ☒ 3. 25
  - ☒ 4. 29

Question ID : 6549786975  
Status : Answered  
Chosen Option : 1

Q.19 Three of the following four words are alike in a certain way and one is different. Select the odd one.

- Ans
- ☒ 1. Applaud
  - ☒ 2. Criticise
  - ☒ 3. Honour
  - ☒ 4. Admire

Question ID : 6549788082  
Status : Answered  
Chosen Option : 2

Q.20 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. 198
  - ☒ 2. 165
  - ☒ 3. 177
  - ☒ 4. 132

Question ID : 6549786961  
Status : Not Answered  
Chosen Option : --

Q.21 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

263 : 271

- Ans
- ☒ 1. 223 : 233
  - ☒ 2. 261 : 267
  - ☒ 3. 317 : 337
  - ☒ 4. 23 : 293

Question ID : 6549786957  
Status : Not Answered  
Chosen Option : --

Q.22 'Guitar' is related to 'Music Instrument' in the same way as 'Car' is related to '\_\_\_\_\_'.  
Ans

- ☒ 1. Vehicle
- ☐ 2. Petrol
- ☐ 3. Road
- ☐ 4. Driver

Question ID : 6549788077

Status : Answered

Chosen Option : 1

Q.23 Three different positions of the same dice are shown. Select the letter that will be on the face opposite to the face having F.



- Ans
- ☐ 1. A
  - ☒ 2. E
  - ☐ 3. D
  - ☐ 4. C

Question ID : 6549786973

Status : Answered

Chosen Option : 2

Q.24 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

r r p p s \_ p \_ s s r \_ s s r \_ \_ p

- Ans
- ☐ 1. p r p p s
  - ☐ 2. s r r s p
  - ☐ 3. s s r p p
  - ☒ 4. s p r r p

Question ID : 6549786058

Status : Not Answered

Chosen Option : --

Q.25 Revati is the sister of Sujit. Pranjal's mother is married to Sujit. Bhavita has one son and one daughter. Lopa is the sister of Pranjal, who is the paternal grandson of Bhavita. Lopa is the daughter of Ramya. How is Revati related to Ramya?

- Ans
- ☒ 1. Husband's sister
  - ☐ 2. Brother's wife
  - ☐ 3. Daughter
  - ☐ 4. Sister

Question ID : 6549787271

Status : Not Answered

Chosen Option : --

Q.1 Simplify the following expression.

$$\cos^2 30^\circ + \cos^2 40^\circ + \cos^2 50^\circ + \cos^2 60^\circ$$

- Ans
-  1.  $\frac{3}{2}$
  -  2. 1
  -  3.  $\frac{5}{2}$
  -  4. 2

Question ID : 6549788109

Status : Answered

Chosen Option : 4

Q.2

If  $5k = \tan\theta$  and  $\frac{5}{k} = \sec\theta$ , then what is the value of  $10\left(k^2 - \frac{1}{k^2}\right)$ ?

- Ans
-  1. 2
  -  2. -2
  -  3.  $-\frac{2}{5}$
  -  4.  $\frac{2}{5}$

Question ID : 6549788111

Status : Answered

Chosen Option : 3

Q.3 The lengths of three sides of a triangle are in the ratio 3 : 4 : 5. Among three sides, the difference between the largest side and the smallest side of this triangle is 3.6 cm. The area (in  $\text{cm}^2$ ) of the triangle is:

- Ans
-  1. 19.44
  -  2. 32.4
  -  3. 21.75
  -  4. 15.64

Question ID : 6549786991

Status : Not Answered

Chosen Option : --

Q.4 If  $21 \tan \theta = 20$ , then  $(1 + \sin \theta - \cos \theta) : (1 - \sin \theta + \cos \theta)$  is equal to:

- Ans
- ☐ 1. 13 : 15
  - ☐ 2. 11 : 13
  - ☒ 3. 14 : 15
  - ☐ 4. 12 : 11

Question ID : 6549786999

Status : Not Answered

Chosen Option : --

Q.5 A, B and C can independently complete the same task in 4, 6 and 12 days, respectively. In how many days will they be able to complete the same task if they work together?

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

Question ID : 6549788091

Status : Answered

Chosen Option : 4

Q.6 If A is 28% less than B and C is 25% less than the sum of A and B, then by what percentage will C be more than A (correct to one decimal place)?

- Ans
- ☐ 1. 84.3%
  - ☒ 2. 79.2%
  - ☐ 3. 81.6%
  - ☐ 4. 75.5%

Question ID : 6549786985

Status : Not Answered

Chosen Option : --

Q.7 The average score of 84 students (boys and girls) in a test is 95. The ratio of the number of boys to that of girls is 10 : 11. The average score of the boys is 20% less than that of the girls. What is the average score of the boys in the test?

- Ans
- ☐ 1. 95
  - ☒ 2. 84
  - ☐ 3. 120
  - ☐ 4. 105

Question ID : 6549786983

Status : Not Answered

Chosen Option : --

**Q.8** The simple interest on a certain sum for  $3\frac{1}{2}$  years at the rate of 10% per annum is ₹2,940. What will be the compound interest (in ₹) on the same sum for  $1\frac{1}{2}$  years at the same rate when interest is compounded half-yearly (nearest to a rupee)?

- Ans
- ✓ 1. 1,324
  - ✗ 2. 1,470
  - ✗ 3. 1,564
  - ✗ 4. 1,125

Question ID : 6549786988

Status : Not Answered

Chosen Option : --

**Q.9** The ratio of the ages of A and B, four years ago, was 4 : 5. Eight years hence, the ratio of the ages of A and B will be 11 : 13. What is the ratio of their present ages?

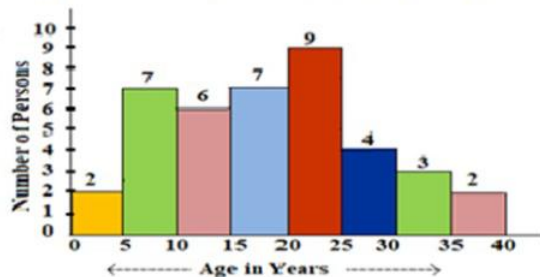
- Ans
- ✓ 1. 9 : 11
  - ✗ 2. 11 : 9
  - ✗ 3. 8 : 7
  - ✗ 4. 7 : 8

Question ID : 6549786987

Status : Not Answered

Chosen Option : --

**Q.10** Some persons went on an outstation tour. The histogram shows their ages.



If the children of age less than 15 years got concession, then how many persons got the concession?

- Ans
- ✗ 1. 13
  - ✓ 2. 15
  - ✗ 3. 22
  - ✗ 4. 25

Question ID : 6549788112

Status : Answered

Chosen Option : 2

Q.11 Simplify the following expression.

$$\frac{0.8 \times 0.8 \times 0.8 + 0.6 \times 0.6 \times 0.6}{0.08 \times 0.08 + 0.06 \times 0.06 - 0.08 \times 0.06}$$

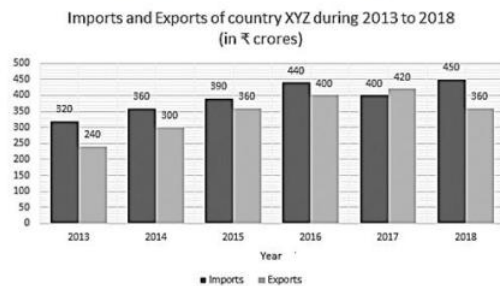
- Ans
- ☒ 1. 14
  - ☒ 2. 1.4
  - ☒ 3. 140
  - ☒ 4. 160

Question ID : 6549788105

Status : Answered

Chosen Option : 2

Q.12 Study the given graph and answer the question that follows.



What percentage of the imports in 2018 is the average exports in 2013, 2015 and 2017? (correct to one decimal place)

- Ans
- ☒ 1. 77.8
  - ☒ 2. 72.4
  - ☒ 3. 71.6
  - ☒ 4. 75.6

Question ID : 6549786598

Status : Not Answered

Chosen Option : --

Q.13  $\triangle ABC$  is right-angled at B and D is a point on AC such that BD is perpendicular to AC. If BD = 6 cm and AD = 3 cm, then what will be the length of AC?

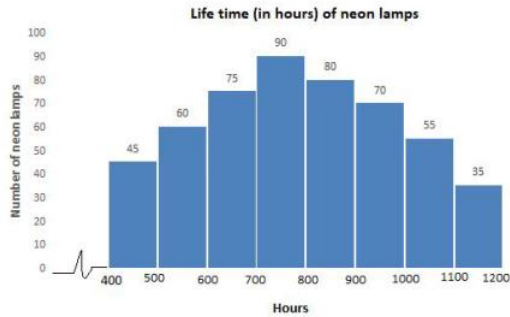
- Ans
- ☒ 1. 12 cm
  - ☒ 2. 18 cm
  - ☒ 3. 15 cm
  - ☒ 4. 9 cm

Question ID : 6549788103

Status : Not Answered

Chosen Option : --

**Q.14** Study the given bar graph which shows the life time (in hours) of neon lamps and the number of neon lamps and answer the question that follows.



The number of neon lamps having life 800 hours or more but less than 1000 hours is what percent (correct to nearest integer) of the total number of neon lamps having life 700 hours or less?

- Ans**
- ☒ 1. 87%
  - ☒ 2. 67%
  - ☒ 3. 83%
  - ☒ 4. 79%

Question ID : 6549787004

Status : Answered

Chosen Option : 2

**Q.15** If  $x^2 + y^2 = 45$  and  $x - y = 5$  then what is the value of  $x^3 - y^3$ ?

- Ans**
- ☒ 1. 150
  - ☒ 2. 250
  - ☒ 3. -25
  - ☒ 4. 275

Question ID : 6549788106

Status : Answered

Chosen Option : 4

**Q.16** If a person travels at a speed of 48 km/h, he will reach his destination on time. He covers two-thirds of his journey in five-sixths of time. At what speed (in km/h) should he travel to cover the remaining distance to reach his destination on time?

- Ans**
- ☒ 1. 100
  - ☒ 2. 96
  - ☒ 3. 50
  - ☒ 4. 48

Question ID : 6549786981

Status : Not Answered

Chosen Option : --

**Q.17** Two wrist watches were sold for ₹1,980 each. One wrist watch was sold at a profit of 10% and the other one at a loss of 10%. The entire transaction resulted in:

- Ans ☒ 1. a loss of ₹40  
☐ 2. a loss of ₹99  
☐ 3. a gain of ₹99  
☐ 4. no gain no loss

Question ID : 6549788097  
Status : Answered  
Chosen Option : 2

**Q.18** A solid metallic cube of side 4.4 cm is melted and recast in the form of a wire of radius 2 mm. Find the length (in cm) of the wire. (Use  $\pi = \frac{22}{7}$ )

- Ans ☐ 1. 338.8  
☐ 2. 2710.4  
☒ 3. 677.6  
☐ 4. 767.6

Question ID : 6549788093  
Status : Not Answered  
Chosen Option : --

**Q.19** If  $a^3 + b^3 + c^3 - 3abc = 250$  and  $a + b + c = 10$ , then what will be the value of  $\frac{1}{5}(ab + bc + ca)$ ?

- Ans ☐ 1. 25  
☒ 2. 5  
☐ 3. 10  
☐ 4. 15

Question ID : 6549786993  
Status : Not Answered  
Chosen Option : --

**Q.20** Simplify the following expression.

$$\left(3\frac{2}{3} \text{ of } \frac{3}{4} - \frac{1}{4} \text{ of } \frac{4}{3}\right) \div \left(\frac{1}{4} \div \frac{3}{2}\right) + 1\frac{1}{2}$$

- Ans ☐ 1.  $\frac{29}{2}$   
☐ 2.  $\frac{143}{18}$   
☐ 3.  $\frac{32}{3}$   
☒ 4. 16

Question ID : 6549788108  
Status : Not Answered  
Chosen Option : --

**Q.21** If an eleven-digit number  $6578x43267y$  is divisible by 72, then the value of  $\sqrt{x+6y}$  will be:

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

Question ID : **6549786996**

Status : **Not Answered**

Chosen Option : --

**Q.22** Two concentric circles are of radii 15 cm and 6 cm. What is the length (in cm) of the chord of the larger circle that is tangent to the smaller circle?

- Ans**
-  1.  $6\sqrt{21}$
  -  2.  $9\sqrt{21}$
  -  3.  $3\sqrt{21}$
  -  4.  $4\sqrt{21}$

Question ID : **6549786989**

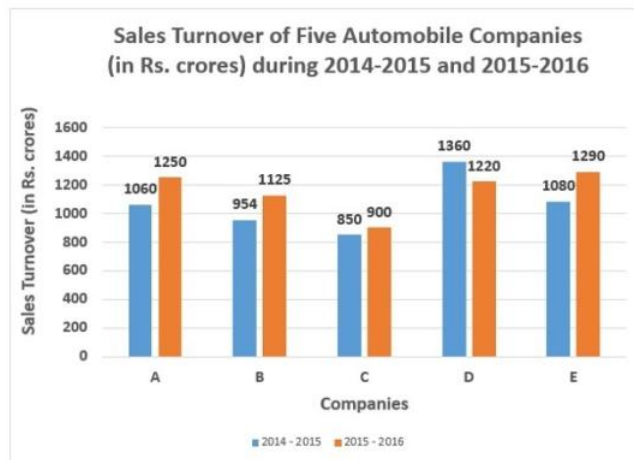
Status : **Not Answered**

Chosen Option : --

**Q.23** Study the given bar graph and answer the question that follows.

The given bar graph represents the Sales Turnover (in ₹ crore) of five automobile companies A, B, C, D and E during 2014-2015 and 2015-2016. The X-axis represents the Companies, and the Y-axis shows the Sales Turnover (in ₹ crore).

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



What should have been the sales turnover (in ₹ crore) of Company C in 2015-2016 to have shown the same increase in its sales over 2014-2015 as shown by the sales turnover of Company E?

- Ans
- ✓ 1. 1,060
  - ✗ 2. 1,110
  - ✗ 3. 1,050
  - ✗ 4. 1,290

Question ID : 6549788922

Status : Not Answered

Chosen Option : --

**Q.24** AB is a chord of a circle with centre O and P is any point on the circle. If  $\angle APB = 112^\circ$ , then what is the measure of  $\angle OAB$ ?

- Ans
- ✗ 1.  $44^\circ$
  - ✗ 2.  $30^\circ$
  - ✓ 3.  $22^\circ$
  - ✗ 4.  $32^\circ$

Question ID : 6549788101

Status : Not Answered

Chosen Option : --

**Q.25** At a factory outlet of a footwear company, every item is available at a discount of 10%. Charu selected footwear marked for ₹900. While paying the bill, it was found that the footwear was slightly damaged for which she got another discount of 10%. How much did she pay for the footwear?

- Ans ☒ 1. ₹729  
☒ 2. ₹801  
☒ 3. ₹810  
☒ 4. ₹720

Question ID : 6549788095  
Status : Answered  
Chosen Option : 4

Section : General Awareness

**Q.1** Which of the following states has the highest entrepreneurial activity in the infrastructure sector as per the Economic Survey 2019-20?

- Ans ☒ 1. Jharkhand  
☒ 2. Uttar Pradesh  
☒ 3. Sikkim  
☒ 4. Karnataka

Question ID : 6549787012  
Status : Answered  
Chosen Option : 2

**Q.2** At the 1992 Summer Olympics, \_\_\_\_\_ became the first woman to carry the flag of India at the opening ceremony of any Olympics.

- Ans ☒ 1. Karnam Malleswari  
☒ 2. Shiny Abraham Wilson  
☒ 3. PT Usha  
☒ 4. Nilima Ghose

Question ID : 6549788139  
Status : Answered  
Chosen Option : 4

**Q.3** Where was the largest solar project namely 'Provision of Solar Photo Voltaic Powerplant 1.5 MW' under the 'Make in India' initiative set up in November 2020?

- Ans ☒ 1. Shimla  
☒ 2. Leh  
☒ 3. Manali  
☒ 4. Gulmarg

Question ID : 6549787009  
Status : Answered  
Chosen Option : 4

**Q.4 In which of the following states is the Sambhar Lake located?**

- Ans
-  1. Punjab
  -  2. Gujarat
  -  3. Mizoram
  -  4. Rajasthan

Question ID : **6549787020**  
Status : **Answered**  
Chosen Option : **4**

**Q.5 Who is the author of the book 'My Master'?**

- Ans
-  1. Swami Vivekananda
  -  2. Raja Ram Mohan Roy
  -  3. Sri Aurobindo
  -  4. Rabindranath Tagore

Question ID : **6549788134**  
Status : **Answered**  
Chosen Option : **1**

**Q.6 With which of the following sports is Sebastian Korda associated?**

- Ans
-  1. Cricket
  -  2. Badminton
  -  3. Volleyball
  -  4. Tennis

Question ID : **6549787027**  
Status : **Answered**  
Chosen Option : **1**

**Q.7 Who among the following authored the book 'The Great Indian Novel'?**

- Ans
-  1. Rohinton Mistry
  -  2. Vikram Seth
  -  3. Shashi Tharoor
  -  4. Khushwant Singh

Question ID : **6549787024**  
Status : **Answered**  
Chosen Option : **4**

Q.8 'Malabar 2020', a naval exercise conducted in November 2020, saw the participation of \_\_\_\_\_ country/countries.

- Ans
- ☒ 1. two
  - ☒ 2. four
  - ☒ 3. three
  - ☒ 4. one

Question ID : 6549788122  
Status : Answered  
Chosen Option : 2

Q.9 पाइप में बहने वाले द्रव के प्रवाह की गति और दर को मापने के लिए प्रयुक्त उपकरण का नाम क्या है?

- Ans
- ☒ 1. ओडोमीटर
  - ☒ 2. क्रायोमीटर
  - ☒ 3. वैन्चुरीमीटर
  - ☒ 4. मैकमीटर

Question ID : 6549788127  
Status : Answered  
Chosen Option : 3

Q.10 In which of the following states is India's first pollinator park located?

- Ans
- ☒ 1. Assam
  - ☒ 2. Uttarakhand
  - ☒ 3. Kerala
  - ☒ 4. Odisha

Question ID : 6549787010  
Status : Answered  
Chosen Option : 2

Q.11 मुगल प्रशासन के संदर्भ में, 'अबवाब' की सबसे उपयुक्त परिभाषा क्या है?

- Ans
- ☒ 1. सरकारी खजाने का मुंशी
  - ☒ 2. दरबार का विदूषक
  - ☒ 3. जमीन पर मूल लगान से अधिक और अतिरिक्त लगाया जाने वाला कर
  - ☒ 4. सुशासन के लिए पुरस्कार

Question ID : 6549788132  
Status : Answered  
Chosen Option : 3

Q.12 The Chalukya dynasty was a major kingdom in the \_\_\_\_ part of India.

- Ans
- ☐ 1. eastern
  - ☐ 2. northern
  - ☒ 3. southern
  - ☐ 4. western

Question ID : 6549787022  
Status : Answered  
Chosen Option : 3

Q.13 Which of the following is NOT a new guideline for credit and debit card users given by Reserve Bank of India in October 2020?

- Ans
- ☐ 1. All new credit and debit cards issued by the banks will be only enabled for domestic transactions at ATMs and point of sale (PoS) terminals.
  - ☐ 2. The RBI has asked all the banks to disable online payments for all those debit and credit cards which have never been used for online or contactless transactions.
  - ☐ 3. The RBI said that the debit card and credit card users from now on are allowed to set up their own transaction limits.
  - ☒ 4. None of the card users will have an option to opt-in or opt-out of services on their credit/debit cards.

Question ID : 6549788124  
Status : Answered  
Chosen Option : 4

Q.14 As per 'Soils of India, National Bureau of Soil Survey and Land Use Planning report: Publication Number 94' which type of soil (order) is most abundantly available?

- Ans
- ☐ 1. Mollisols
  - ☐ 2. Alfisols
  - ☒ 3. Inceptisols
  - ☐ 4. Aridisols

Question ID : 6549788128  
Status : Answered  
Chosen Option : 1

Q.15 Who is the High Commissioner of India to Bangladesh as of June 2020?

- Ans
- ☐ 1. Piyush Goel
  - ☒ 2. Riva Ganguly Das
  - ☐ 3. Narender Batra
  - ☐ 4. Mohammad Mezbah Uddin Chowdhury

Question ID : 6549787025  
Status : Answered  
Chosen Option : 2

**Q.16 Who among the following won a silver medal in the women's 57 kg category at the Individual Wrestling World Cup held in Serbia in December 2020?**

- Ans
- ☐ 1. Aisuluu Tynybekova
  - ☐ 2. Anastasia Nichita
  - ☐ 3. Veronika Chumikova
  - ☒ 4. Anshu Malik

Question ID : **6549787029**  
Status : **Answered**  
Chosen Option : **4**

**Q.17 GIMP is a/an \_\_\_\_\_.**

- Ans
- ☒ 1. application software
  - ☐ 2. diagnostic utility program
  - ☐ 3. text editor
  - ☐ 4. operating system

Question ID : **6549787005**  
Status : **Answered**  
Chosen Option : **1**

**Q.18 Which of the following festivals is celebrated as a kite-flying festival across India?**

- Ans
- ☐ 1. Holi
  - ☐ 2. Durga Puja
  - ☐ 3. Janmashtami
  - ☒ 4. Makar Sankranti

Question ID : **6549787007**  
Status : **Answered**  
Chosen Option : **4**

**Q.19 In which festival of Maharashtra and Chhattisgarh, are the bullocks and other cattles used for agriculture worshipped?**

- Ans
- ☐ 1. Ganga Dussehra
  - ☒ 2. Pola festival
  - ☐ 3. Vata Poornima
  - ☐ 4. Jiviti Puja

Question ID : **6549788119**  
Status : **Answered**  
Chosen Option : **1**

Q.20 Which of the following is a large bean-shaped lymphoid organ in the human body?

- Ans
- ☒ 1. Thymus
  - ☐ 2. Spleen
  - ☐ 3. Lymph node
  - ☐ 4. Tonsil

Question ID : 6549787015  
Status : Answered  
Chosen Option : 3

Q.21 A \_\_\_\_\_ is a software program that travels the web locating and indexing websites for search engines.

- Ans
- ☐ 1. bug
  - ☒ 2. spider
  - ☐ 3. python
  - ☐ 4. penguin

Question ID : 6549788117  
Status : Answered  
Chosen Option : 2

Q.22 Which of the following is a variety of oilseed?

- Ans
- ☒ 1. Taramira
  - ☐ 2. Arabica
  - ☐ 3. Robusta
  - ☐ 4. Liberica

Question ID : 6549787019  
Status : Answered  
Chosen Option : 1

Q.23 \_\_\_\_\_, विज्ञान का वह क्षेत्र है जो ब्रह्मांड की उत्पत्ति और विस्तार का अध्ययन करता है।

- Ans
- ☐ 1. ब्रौमैटोलॉजी
  - ☐ 2. देस्मोलॉजी
  - ☐ 3. एकरोलॉजी
  - ☒ 4. कॉस्मोलॉजी

Question ID : 6549788125  
Status : Answered  
Chosen Option : 4

**Q.24** Which of the following Articles of the Constitution of India states that 'The President, or the Governor or Rajpramukh of a State, shall not be answerable to any court for the exercise and performance of the powers and duties of his office'?

- Ans
-  1. Article 396
  -  2. Article 361
  -  3. Article 384
  -  4. Article 352

Question ID : **6549788137**  
Status : **Answered**  
Chosen Option : **1**

**Q.25** What is the rate at which a wave moves through water, and is measured in knots?

- Ans
-  1. Wave height
  -  2. Wave crest and trough
  -  3. Wave frequency
  -  4. Wave speed

Question ID : **6549788129**  
Status : **Answered**  
Chosen Option : **2**