





Combined Higher Secondary Level Examination 2020 (Tier-I)

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|----------------|---|
| Roll Number | Join Youtube Channel |
| Candidate Name | Join Youtube Channel |
| Venue Name | iON Digital Zone iDZ 2 Duhai |
| Exam Date | 12/08/2021 |
| Exam Time | 12:00 PM - 1:00 PM |
| 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'.

I would have told you if I receive the medicines.

- Ans  1. had received
-  2. am receiving
-  3. would receive
-  4. No substitution

Question ID : **6549786740**
Status : **Answered**
Chosen Option : 1

Q.2 Select the most appropriate synonym of the given word.





WREAK

- Ans  1. neglect
-  2. forget
-  3. fail
-  4. cause

Question ID : **6549786749**
Status : **Answered**
Chosen Option : 4

Q.3 Select the most appropriate meaning of the given idiom.

Method to one's madness

- Ans  1. Always behaving like a mad person
-  2. Not following rules and conventions
-  3. Seeming disorderly yet having a structure
-  4. Being very neat and particular about details

Question ID : **6549788966**
Status : **Marked For Review**
Chosen Option : 3

Q.4 Select the most appropriate **ANTONYM** of the given word.

MOROSE

- Ans
- ☒ 1. gloomy
 - ☒ 2. mournful
 - ☒ 3. cheerful
 - ☒ 4. sullen

Question ID : **6549786741**
Status : **Answered**
Chosen Option : **3**

Q.5 Select the option which means the same as the group of words given.

A person who helps others in need

- Ans
- ☒ 1. contributor
 - ☒ 2. donor
 - ☒ 3. patron
 - ☒ 4. samaritan

Question ID : **6549786748**
Status : **Answered**
Chosen Option : **4**

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

Delhi University's new institution called School of Public Health will offer a _____ of programs.

- Ans
- ☒ 1. plethora
 - ☒ 2. scale
 - ☒ 3. few
 - ☒ 4. branch

Question ID : **6549788974**
Status : **Answered**
Chosen Option : **1**

Q.7 Examine the four jumbled sentences. Out of the given options, pick the one that gives their correct order.

- A. Wasserkopf returns to his school and asks for a refund of his tuition fee.
- B. 'Refund' by Karinthy is a hilarious play about a student named Wasserkopf.
- C. However, the situation changes when the Mathematics teacher asks him to calculate the total amount.
- D. He further declares that he had learnt nothing at school in all the years.

- Ans
- ☒ 1. BCAD
 - ☒ 2. BADC
 - ☒ 3. CBAD
 - ☒ 4. ADCB

Question ID : **6549788960**
Status : **Answered**
Chosen Option : **2**

Q.8 Select the option which means the same as the group of words given.

One who eats human flesh

- Ans
- ☒ 1. ethnic
 - ☒ 2. cannibal
 - ☒ 3. humane
 - ☒ 4. tribal

Question ID : 6549788969

Status : Answered

Chosen Option : 2

Q.9 Select the correct passive form of the given sentence.

How many languages do you learn at school?

- Ans
- ☒ 1. How many languages will you learn at school?
 - ☒ 2. How many languages are being learnt by you at school?
 - ☒ 3. Languages are learnt by how many at school?
 - ☒ 4. How many languages have you being learnt by you learning at school?

Question ID : 6549788949

Status : Answered

Chosen Option : 3

Q.10 In the given sentence, identify the segment which contains the grammatical error.

All the ladies of the colony assemble in the temple and prays together on Sunday evenings.

- Ans
- ☒ 1. assemble in the temple
 - ☒ 2. All the ladies of the colony
 - ☒ 3. and prays together
 - ☒ 4. on Sunday evenings

Question ID : 6549786729

Status : Answered

Chosen Option : 3

Q.11 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. angriest
 - ☒ 2. straightest
 - ☒ 3. healthiest
 - ☒ 4. disinterest

Question ID : 6549788967

Status : Answered

Chosen Option : 3

Q.12 Select the correct indirect form of the given sentence.

The chemist said to me, "I cannot take these medicines back as they are special medicines."

- Ans**
- ☒ 1. The chemist told me that he cannot take these medicines back as they are special medicines.
 - ☒ 2. The chemist told me that he could not take these medicines back as they are special medicines.
 - ☒ 3. The chemist told me that he could not take those medicines back as they were special medicines.
 - ☒ 4. The chemist told me that I cannot take these medicines back as they are special medicines.

Question ID : **6549786728**
Status : **Answered**
Chosen Option : **3**

Q.13 Select the option that will improve the underlined segment in the given sentence. In case no improvement is needed, select 'No improvement'

Despite living in the same neighbourhood, we only did not greet each other.

- Ans**
- ☒ 1. still
 - ☒ 2. even
 - ☒ 3. mainly
 - ☒ 4. No improvement

Question ID : **6549788961**
Status : **Answered**
Chosen Option : **1**

Q.14 Select the most appropriate meaning of the given idiom.

Get out of hand

- Ans**
- ☒ 1. To get irritated
 - ☒ 2. To become difficult to control
 - ☒ 3. To be anxious
 - ☒ 4. To be able to complete a task

Question ID : **6549786743**
Status : **Answered**
Chosen Option : **2**

Q.15 Given below are four jumbled sentences. Out of the given options, pick the one that gives their correct order.

- A. One day the tailor and his wife discovered that their son was not in the house.
- B. The father went to the roadside and shouted, "John!"
- C. No one answered.
- D. They looked in the garden, and did not find him there.

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

Question ID : **6549786737**
Status : **Answered**
Chosen Option : **4**





Q.16 Select the most appropriate **ANTONYM** of the given word.

SURREPTITIOUS

Ans  1. secret
 2. slow
 3. open
 4. lazy

Question ID : **6549788964**
Status : **Answered**
Chosen Option : **1**





Q.17 Select the **INCORRECTLY** spelt word.

Ans  1. proclaim
 2. proccesion
 3. problem
 4. procurement

Question ID : **6549786746**
Status : **Answered**
Chosen Option : **2**

Q.18 In the given sentence, identify the segment which contains the grammatical error.

Despite warnings the driver continued to speed and have been caught by the traffic police.

Ans  1. and have been caught
 2. by the traffic police
 3. Despite warnings
 4. the driver continued to speed

Question ID : **6549788952**
Status : **Marked For Review**
Chosen Option : **4**

Q.19 Select the most appropriate synonym of the given word.

SAGA

- Ans**
- ☒ 1. film
 - ☒ 2. sport
 - ☒ 3. abuse
 - ☒ 4. narrative

Question ID : **6549788972**

Status : **Answered**

Chosen Option : **4**

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

It has been announced that after a gap of almost two months, domestic flight services will _____ from next week.

- Ans**
- ☒ 1. resume
 - ☒ 2. proceed
 - ☒ 3. retake
 - ☒ 4. advance

Question ID : **6549786751**

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.

Nehru was a great patriot. He said, "I have received so (1) _____ love and affection from the Indian people (2) _____ nothing that I can do can repay (3) _____ a small fraction of it, and indeed there (4) _____ be no repayment of the great affection my fellow countrymen have showered on (5) _____.

SubQuestion No : 21

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

- Ans**
- ☒ 1. much
 - ☒ 2. more
 - ☒ 3. little
 - ☒ 4. many

Question ID : **6549788954**

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.

Nehru was a great patriot. He said, "I have received so (1) _____ love and affection from the Indian people (2) _____ nothing that I can do can repay (3) _____ a small fraction of it, and indeed there (4) _____ be no repayment of the great affection my fellow countrymen have showered on (5) _____.

SubQuestion No : 22

Q.22 Select the most appropriate option for blank no. 2.

Ans

-  1. this
-  2. that
-  3. these
-  4. either

Question ID : **6549788955**

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.

Nehru was a great patriot. He said, "I have received so (1) _____ love and affection from the Indian people (2) _____ nothing that I can do can repay (3) _____ a small fraction of it, and indeed there (4) _____ be no repayment of the great affection my fellow countrymen have showered on (5) _____.

SubQuestion No : 23

Q.23 Select the most appropriate option for blank no. 3.

Ans

-  1. only
-  2. even
-  3. either
-  4. mainly

Question ID : **6549788956**

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.

Nehru was a great patriot. He said, "I have received so (1) _____ love and affection from the Indian people (2) _____ nothing that I can do can repay (3) _____ a small fraction of it, and indeed there (4) _____ be no repayment of the great affection my fellow countrymen have showered on (5) _____.

SubQuestion No : 24


Q.24 Select the most appropriate option for blank no. 4.

Ans

 1. ought

 2. may

 3. can

 4. should

Question ID : **6549788957**

Status : **Marked For Review**

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.

Nehru was a great patriot. He said, "I have received so (1) _____ love and affection from the Indian people (2) _____ nothing that I can do can repay (3) _____ a small fraction of it, and indeed there (4) _____ be no repayment of the great affection my fellow countrymen have showered on (5) _____.


SubQuestion No : 25

Q.25 Select the most appropriate option for blank no. 5.

Ans

 1. I

 2. me

 3. myself

 4. mine

Question ID : **6549788958**

Status : **Answered**

Chosen Option : **2**

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:

Some dogs are carnivores.
All carnivores are animals.
Some animals are tigers.

Conclusions:

I. Some tigers are dogs.
II. Some carnivores are tigers.
III. All dogs are animals.

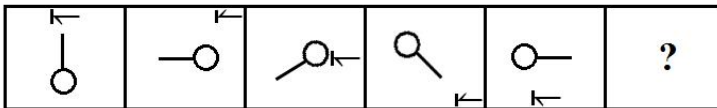
- Ans**
- ☒ 1. Only conclusion II follows.
 - ☒ 2. None of the conclusions follow.
 - ☒ 3. Only conclusions I and III follow.
 - ☒ 4. Only conclusion I follows.

Question ID : 6549788992

Status : Answered

Chosen Option : 2

Q.2 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 : 6549786772

Status : Answered

Chosen Option : 2

Q.3 Read the following information carefully and answer the question given below.

'K \$ D' means 'K is the father of D'.
'K < D' means 'K is the wife of D'.
'K > D' means 'K is the daughter of D'.
'K @ D' means 'K is the son of D'.

How is H related to N in the expression 'H > R \$ S @ T > N'?

- Ans**
- ☒ 1. Daughter-in-law
 - ☒ 2. Niece
 - ☒ 3. Grand-daughter
 - ☒ 4. Daughter

Question ID : **6549788180**
Status : **Answered**
Chosen Option : **3**

Q.4 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

16 35 9
18 33 8
34 ? 5

- Ans**
- ☒ 1. 33
 - ☒ 2. 32
 - ☒ 3. 34
 - ☒ 4. 35

Question ID : **6549786757**
Status : **Answered**
Chosen Option : **3**

Q.5 Select the option in which the words share the same relationship as that shared by the given pair of words.

Zambia : Lusaka

- Ans**
- ☒ 1. Bahrain : Manama
 - ☒ 2. Bhutan : Dhaka
 - ☒ 3. Israel : Tehran
 - ☒ 4. Kuwait : Seoul

Question ID : **6549786767**
Status : **Answered**
Chosen Option : **1**

Q.6 The average marks of eight students in the Mathematics exam are 75. If the highest and lowest marks are removed, then the average marks become 80. If the ratio of the highest marks to the lowest marks is 3 : 1, then the highest marks are what percentage of the sum of the all the marks obtained by the eight students in the Mathematics exam?

- Ans**
- ☒ 1. 18%
 - ☒ 2. 15%
 - ☒ 3. 12%
 - ☒ 4. 20%

Question ID : **6549786753**
Status : **Answered**
Chosen Option : **2**

Q.7 जिस प्रकार 'जोखिम', 'संकट' से संबंधित है ठीक उसी प्रकार 'अनर्गल', '_____' से संबंधित है।

- Ans**
- ☒ 1. हास्यास्पद
 - ☒ 2. असामान्य
 - ☒ 3. अनैतिक
 - ☒ 4. परिकल्पित

Question ID : **6549788986**
Status : **Answered**
Chosen Option : **2**

Q.8 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.

RUNZ : IGLC :: WZSE : ?

- Ans**
- ☒ 1. CAFZ
 - ☒ 2. LJOJ
 - ☒ 3. DBGX
 - ☒ 4. DFAJ

Question ID : **6549788985**
Status : **Answered**
Chosen Option : **3**

Q.9 In a certain code language, BIRTH is coded as 25129719 and DEVIL is coded as 23851215. How will GLORY be coded in that language?

- Ans**
- ☒ 1. 20151892
 - ☒ 2. 21082519
 - ☒ 3. 20181529
 - ☒ 4. 25110928

Question ID : **6549786762**
Status : **Answered**
Chosen Option : **1**

Q.10 Four numbers have been given, out of which three are alike in some manner and one is different. Select the number that is different.

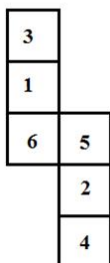
- Ans**
- ☒ 1. 146
 - ☒ 2. 198
 - ☒ 3. 378
 - ☒ 4. 326

Question ID : **6549786759**

Status : **Answered**

Chosen Option : **3**

Q.11 A cube is made by folding the given sheet. In the cube so formed, what would be the number on the opposite side of '1'?



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

Question ID : **6549786771**

Status : **Answered**

Chosen Option : **3**

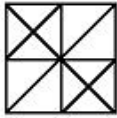
Q.12 Select the option in which the given figure is embedded (rotation is NOT allowed).



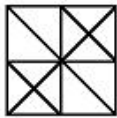
Ans



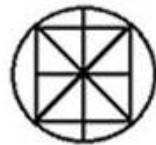
1.



2.



3.



4.



Question ID : **6549788996**

Status : **Answered**

Chosen Option : 1

Q.13 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Presentation
2. Preventive
3. Preparation
4. Pretension
5. Prescription

Ans



1. 3, 5, 1, 4, 2



2. 3, 1, 5, 4, 2



3. 3, 4, 2, 1, 5



4. 3, 5, 1, 2, 4

Question ID : **6549786760**

Status : **Answered**

Chosen Option : 1

Q.14 Select the number from among the given options that can replace the question mark (?) in the following series.

7, 10, 18, 29, ?, 78

- Ans
- ☒ 1. 54
 - ☒ 2. 48
 - ☒ 3. 45
 - ☒ 4. 51

Question ID : **6549788980**
Status : **Answered**
Chosen Option : **2**

Q.15 In a certain code language, RATIONALE is written as NOIELATAR. How will STATEMENT be written in that language?

- Ans
- ☒ 1. ETATNEMTS
 - ☒ 2. METTNEATS
 - ☒ 3. EMTTNETAS
 - ☒ 4. METTAENST

Question ID : **6549788983**
Status : **Answered**
Chosen Option : **2**

Q.16 Which two signs should be interchanged to make the following equation correct?

$$6 + 12 \times 8 \div 16 - 12 = 8$$

- Ans
- ☒ 1. ÷ and +
 - ☒ 2. + and ×
 - ☒ 3. – and +
 - ☒ 4. × and ÷

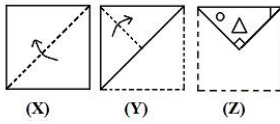
Question ID : **6549788976**
Status : **Marked For Review**
Chosen Option : **4**

Q.17 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. Yellow
 - ☒ 2. Orange
 - ☒ 3. Violet
 - ☒ 4. Black

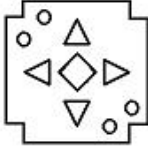
Question ID : **6549788991**
Status : **Answered**
Chosen Option : **4**

Q.18 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?

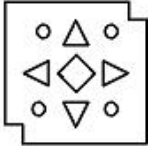


Ans

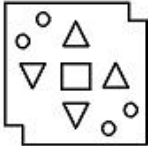
✗ 1.



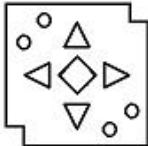
✗ 2.



✗ 3.



✓ 4.



Question ID : 6549788997

Status : Answered

Chosen Option : 4

Q.19 Select the option in which the numbers are related in the same way as are the numbers of the following set.

{12, 20, 32}

Ans

✗ 1. {21, 28, 56}

✗ 2. {27, 49, 63}

✓ 3. {18, 30, 48}

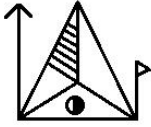
✗ 4. {6, 10, 16}

Question ID : 6549788978

Status : Answered

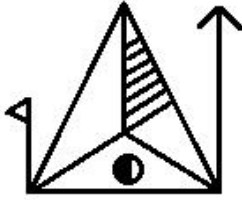
Chosen Option : 1

Q.20 Select the correct mirror image of the given figure when the mirror is placed at the right side of the figure.

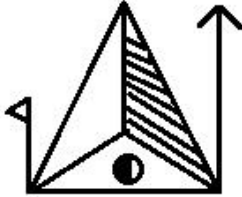


Ans

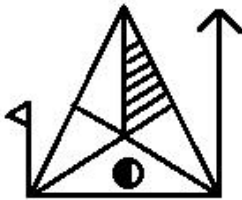
✓ 1.



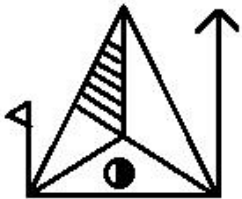
✗ 2.



✗ 3.



✗ 4.

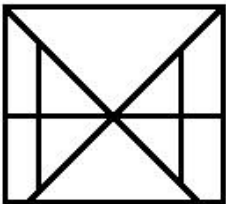


Question ID : 6549788998

Status : Answered

Chosen Option : 1

Q.21 Find the number of triangles in the given figure.



Ans

✗ 1. 8

✓ 2. 12

✗ 3. 14

✗ 4. 10

Question ID : 6549786773

Status : Answered

Chosen Option : 3

Q.22 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.


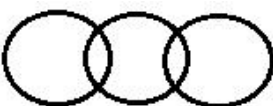
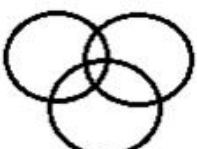
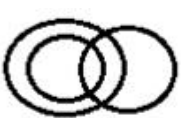
- Ans
- ☒ 1. PTZW
 - ☒ 2. TXDB
 - ☒ 3. FJPM
 - ☒ 4. MQWT

Question ID : 6549786768
Status : Answered
Chosen Option : 2

Q.23 Select the Venn diagram that best represents the relationship between the following classes.

Men, Uncles, Educated

Ans

- ☒ 1. 
- ☒ 2. 
- ☒ 3. 
- ☒ 4. 

Question ID : 6549786777
Status : Answered
Chosen Option : 4

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

c _ t e m c p _ e m _ p t _ _

- Ans
- ☒ 1. p t c e m
 - ☒ 2. p e c t m
 - ☒ 3. c t m e p
 - ☒ 4. m p e t c

Question ID : 6549789805
Status : Answered
Chosen Option : 1

Q.25 Select the option that is related to the third number in the same way as the second number is related to the first number.

8 : 36 :: 12 : ?

Ans



1. 82



2. 79



3. 78



4. 80

Question ID : **6549786755**

Status : **Answered**

Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 Study the given bar graphs and answer the question that follows.

The bar graphs represent the amount invested in raw materials (in ₹ crore) and the sale of the products, by a textile company in the years 2007–2012. The X-axis represents the years. The Y-axis represents the amount invested in raw materials (in ₹ crore) in figure 1 and sale of products in figure 2, respectively.



Figure 1

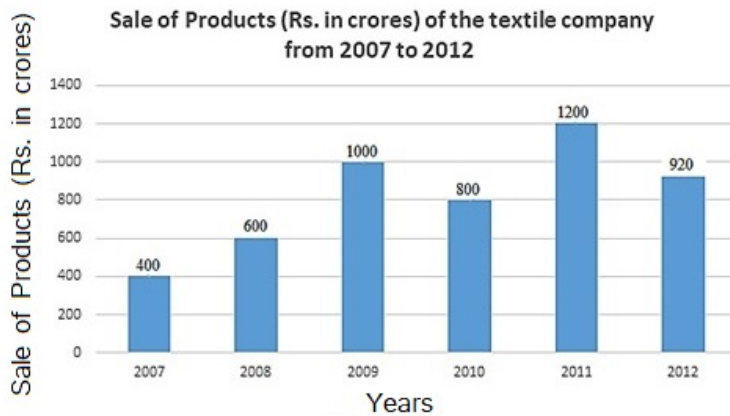


Figure 2

In 2011, the sale of products had increased by certain percentage with respect to the previous year. In 2012, by what percent should the sale of products increase from its present value so that it shows the same percent increase as had been shown in 2011?

- Ans
- ☒ 1. 98
 - ☒ 2. 95
 - ☒ 3. 94
 - ☒ 4. 96

Question ID : 6549786802
Status : Answered
Chosen Option : 3

Q.2 If $(7x - 10y) = 8$ and $xy = 5$, then what is the value of $49x^2 + 100y^2$?

- Ans**
- ☐ 1. 623
 - ☐ 2. 746
 - ☐ 3. 632
 - ☒ 4. 764

Question ID : **6549786791**
Status : **Answered**
Chosen Option : **4**

Q.3 $\triangle ABC$ is drawn in a circle such that $AC = BC$ and $\angle BAC = 65^\circ$. From points B and C two tangents are drawn which intersect at point P. What is the measure of $\angle BPC$?

- Ans**
- ☐ 1. 32.5°
 - ☐ 2. 55°
 - ☐ 3. 52.5°
 - ☒ 4. 50°

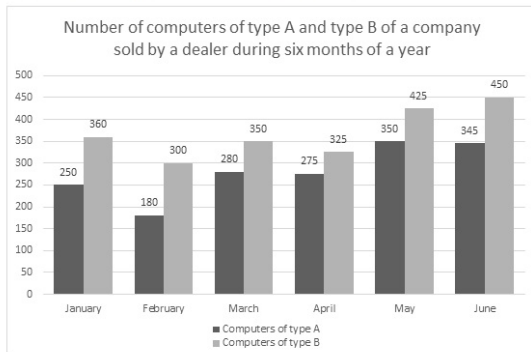
Question ID : **6549789010**
Status : **Answered**
Chosen Option : **2**

Q.4 The value of $56 \div [12 + 9 \div 3 - \{8 + (18 \text{ of } 2 \div 9) - (40 \div 5 \text{ of } 2)\}] + \frac{27 + \frac{2}{5} \text{ of } 75}{5 + \frac{2}{3} \times (58 - 37)}$ is:

- Ans**
- ☐ 1. 8
 - ☒ 2. 11
 - ☐ 3. -11
 - ☐ 4. -8

Question ID : **6549789017**
Status : **Answered**
Chosen Option : **2**

Q.5 Study the given graph and answer the question that follows.



The average number of computers of type B sold in January, February and June exceeds by 20 the number of computers of type A sold in:

- Ans**
- ☒ 1. June
 - ☒ 2. March
 - ☒ 3. April
 - ☒ 4. May

Question ID : 6549786497

Status : Answered

Chosen Option : 2

Q.6 A train, 500 m long, passes a railway platform 400 m long, in one minute with uniform speed. What is the time (in seconds) taken by the train to pass a man riding a motorbike, travelling opposite to the direction of the train, at a speed of 18 km/h?

- Ans**
- ☒ 1. 25
 - ☒ 2. 48
 - ☒ 3. 54
 - ☒ 4. 30

Question ID : 6549786779

Status : Answered

Chosen Option : 1

Q.7 The area of an equilateral triangle is $10.24\sqrt{3} m^2$. Its perimeter (in m) is:

- Ans**
- ☒ 1. 9.6
 - ☒ 2. 3.2
 - ☒ 3. 6.4
 - ☒ 4. 19.2

Question ID : 6549789012

Status : Answered

Chosen Option : 4

Q.8 The value of $a^3 + b^3 + c^3 - 3abc$, when $a=125$, $b=127$ and $c=129$, is:

- Ans**
- ☐ 1. 4725
 - ☐ 2. 4752
 - ☐ 3. 3752
 - ☒ 4. 4572

Question ID : **6549789014**
Status : **Answered**
Chosen Option : **4**

Q.9 If the nine-digit number 259876p05 is completely divisible by 11, then what is the value of $(p^2 + 5)$?

- Ans**
- ☒ 1. 54
 - ☐ 2. 45
 - ☐ 3. 50
 - ☐ 4. 48

Question ID : **6549786794**
Status : **Answered**
Chosen Option : **1**

Q.10 The average age of 7 members of a family is 35 years. If the youngest members are twins and they are 15 years old, then what was the average age (in years) of the family members at the time of the birth of the twins?

- Ans**
- ☐ 1. 25
 - ☐ 2. 27
 - ☒ 3. 28
 - ☐ 4. 30

Question ID : **6549786781**
Status : **Answered**
Chosen Option : **3**

Q.11 O is the centre of a circle of radius 9 cm. M is a point outside the circle and MN is a tangent to the circle. What is the length (in cm) of OM if the length MN is 12 cm?

- Ans**
- ☒ 1. 15
 - ☐ 2. 21
 - ☐ 3. 17
 - ☐ 4. 12

Question ID : **6549786787**
Status : **Answered**
Chosen Option : **1**

Q.12 A and B can complete a piece of work in 27 days and 54 days, respectively. They completed the work in 9 days with the help of C. How many days will C take to complete eight-ninths of the work alone?

- Ans**
- ☐ 1. 24
 - ☐ 2. 45
 - ☐ 3. 30
 - ☒ 4. 16

Question ID : 6549789000
Status : Answered
Chosen Option : 4

Q.13 The side QR of a triangle PQR is extended to a point S . If $\angle PRS = 104^\circ$ and $\angle RQP = \frac{3}{5}\angle QPR$, then the value of $\angle QPR$ is:

- Ans**
- ☐ 1. 55°
 - ☐ 2. 58°
 - ☒ 3. 65°
 - ☐ 4. 45°

Question ID : 6549786789
Status : Answered
Chosen Option : 3

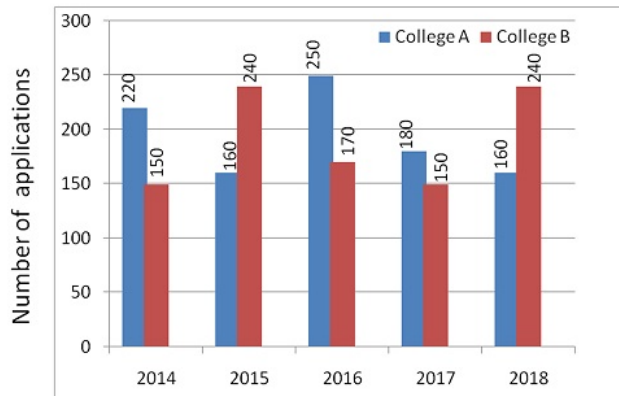
Q.14 If $\sin^2 x = 3 \cos^2 x$ and $0^\circ \leq x \leq 90^\circ$, then what is the value of $\frac{x}{2}$?

- Ans**
- ☒ 1. 30°
 - ☐ 2. 45°
 - ☐ 3. 15°
 - ☐ 4. 22.5°

Question ID : 6549789020
Status : Answered
Chosen Option : 1

Q.15 Study the following bar graph and answer the question given below.

The bar graph represents the total number of applications received for B.Sc. Mathematics by two different colleges A and B in 5 different years.



In 2015, out of the total number of applications received by colleges A and B together, only 60% were accepted. What were the total number of applications accepted by colleges A and B together in 2015?

- Ans**
- ☒ 1. 250
 - ☒ 2. 260
 - ☒ 3. 180
 - ☒ 4. 240

Question ID : **6549789021**

Status : **Answered**

Chosen Option : **4**

Q.16 The daily wages of P, Q and R are in the proportion 5 : 7 : 8. If Q earns ₹560 per day, then what are the daily wages (in ₹) of R and P, respectively?

- Ans**
- ☒ 1. 640 and 400
 - ☒ 2. 590 and 350
 - ☒ 3. 350 and 590
 - ☒ 4. 400 and 640

Question ID : **6549786785**

Status : **Answered**

Chosen Option : **1**

Q.17 The marked price of a table is ₹3,000, which is 25% above the cost price. It is sold at a discount of 20% on the marked price. What is the profit or loss per cent?

- Ans**
- ☐ 1. Loss, 5%
 - ☐ 2. Profit, 10%
 - ☒ 3. No profit, no loss
 - ☐ 4. Profit, 15%

Question ID : **6549789004**
Status : **Answered**
Chosen Option : **3**

Q.18 A's salary is 15% less than B's salary. B's salary is 30% less than C's salary. By how much percent approximately, is C's salary more than A's salary?

- Ans**
- ☐ 1. 45
 - ☐ 2. 75
 - ☐ 3. 40
 - ☒ 4. 68

Question ID : **6549786783**
Status : **Answered**
Chosen Option : **4**

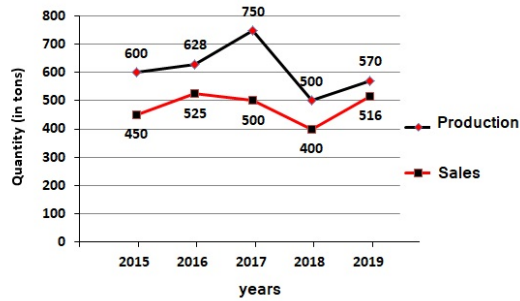
Q.19 If $a = \frac{\sqrt{5}+2}{\sqrt{5}-2}$ and $b = \frac{\sqrt{5}-2}{\sqrt{5}+2}$, then the value of $2a^2 + 2b^2 - 5ab$ is equal to:

- Ans**
- ☐ 1. 635
 - ☒ 2. 639
 - ☐ 3. 649
 - ☐ 4. 693

Question ID : **6549789015**
Status : **Answered**
Chosen Option : **2**

Q.20 The line graph shows the production (in tonnes) and the sales (in tonnes) of a company.

What is the ratio of the production of the company in 2015 and 2016 taken together to the sales in 2017 and 2019 taken together?



- Ans**
- ✓ 1. 307 : 254
 - ✗ 2. 307 : 330
 - ✗ 3. 195 : 214
 - ✗ 4. 307 : 229

Question ID : 6549789426

Status : Answered

Chosen Option : 1

Q.21 The square of the diagonal of a cube is 2175 cm^2 . What is the total surface area (in cm^2) of the cube?

- Ans**
- ✗ 1. 4272
 - ✓ 2. 4350
 - ✗ 3. 4530
 - ✗ 4. 4305

Question ID : 6549789002

Status : Answered

Chosen Option : 1

Q.22 If $\operatorname{cosec} A = 10$, then what is the value of $20 \sin A + 9\sqrt{11} \sec A$?

Given that A is an acute angle.

- Ans**
- ✓ 1. 32
 - ✗ 2. 34
 - ✗ 3. 30
 - ✗ 4. 23

Question ID : 6549789018

Status : Answered

Chosen Option : 1

Q.23 A man invested ₹2,400 at 5% and ₹5,400 at 9% simple interest. What amount (in ₹) will he get from his investments after 6 years?

- Ans**
- ☒ 1. 11,436
 - ☐ 2. 31,200
 - ☐ 3. 45,600
 - ☐ 4. 83,136

Question ID : **6549786786**
Status : **Answered**
Chosen Option : **1**

Q.24 A shopkeeper bought 95 dozen oranges at ₹4.50 each. 7 dozen oranges were rotten and so were discarded. He sold the remaining oranges at ₹78 per dozen. What is his profit or loss per cent (to the nearest integer)?

- Ans**
- ☐ 1. Loss, 45%
 - ☒ 2. Profit, 34%
 - ☐ 3. Loss, 34%
 - ☐ 4. Profit, 45%

Question ID : **6549789006**
Status : **Answered**
Chosen Option : **4**

Q.25 If $5 \tan A = 12$, then what is the value of $\frac{13 \sin A + 20 \tan A}{15 \tan A - 13 \cos A}$, where A is an acute angle?

- Ans**
- ☐ 1. $1 \frac{19}{41}$
 - ☐ 2. $\frac{31}{41}$
 - ☐ 3. $\frac{41}{50}$
 - ☒ 4. $1 \frac{29}{31}$

Question ID : **6549786797**
Status : **Answered**
Chosen Option : **2**

Section : **General Awareness**

Q.1 What was the contribution of the manufacturing sector in India's GDP in Q2 of 2020-21?

- Ans**
- ☐ 1. Positive growth of 3.4%
 - ☐ 2. Negative growth of 8.6%
 - ☒ 3. Positive growth of 0.6%
 - ☐ 4. Negative growth of 7.5%

Question ID : **6549789033**
Status : **Answered**
Chosen Option : **2**

Q.2 Which fibre among the following is used to make rayon clothing?

- Ans**
- ☐ 1. Pectin
 - ☒ 2. Cellulose
 - ☐ 3. Mucilage
 - ☐ 4. Gum

Question ID : **6549789034**
Status : **Answered**
Chosen Option : **2**

Q.3 'Ugadi' is the famous festival of which of the following states?

- Ans**
- ☐ 1. Punjab
 - ☐ 2. Goa
 - ☐ 3. Uttar Pradesh
 - ☒ 4. Andhra Pradesh

Question ID : **6549786805**
Status : **Answered**
Chosen Option : **1**

Q.4 _____ became the first state to provide 100% piped tap water in rural households in the year 2020.

- Ans**
- ☒ 1. Goa
 - ☐ 2. Kerala
 - ☐ 3. Mizoram
 - ☐ 4. Sikkim

Question ID : **6549789038**
Status : **Answered**
Chosen Option : **1**

Q.5 _____ contains and manages all the programs and applications that a computer or other device is able to run.

- Ans**
- ☒ 1. Data Science
 - ☒ 2. Computer software
 - ☒ 3. Computer hardware
 - ☒ 4. Operating system

Question ID : **6549786803**
Status : **Answered**
Chosen Option : **1**

Q.6 A _____ helps serve as a set of rules and principles that all persons in a country can agree upon as the basis of the way in which they want the country to be governed.

- Ans**
- ☒ 1. draft
 - ☒ 2. preamble
 - ☒ 3. constitution
 - ☒ 4. document

Question ID : **6549786823**
Status : **Answered**
Chosen Option : **3**

Q.7 Which doctor of Indian origin was honoured with 'Great Immigrants-2020' in the US?

- Ans**
- ☒ 1. Siddhartha Mukherjee
 - ☒ 2. Ashok Rajgopal
 - ☒ 3. Mayur Lakhani
 - ☒ 4. Kiran C Patel

Question ID : **6549789043**
Status : **Answered**
Chosen Option : **1**

Q.8 Which of the following banks was declared as the 'Safest Bank in Asia' for the 12th consecutive year by New York-based trade publication 'Global Finance' in 2020?

- Ans**
- ☒ 1. ICICI
 - ☒ 2. HSBC
 - ☒ 3. ICBC
 - ☒ 4. DBS

Question ID : **6549786810**
Status : **Answered**
Chosen Option : **2**

Q.9 Which Article of the Constitution of India envisages that a person shall NOT be qualified to be chosen to fill up a seat in the Parliament unless he is a citizen of India?

- Ans** ☒ 1. Article 84
☐ 2. Article 76
☐ 3. Article 61
☐ 4. Article 52

Question ID : **6549789046**
Status : **Answered**
Chosen Option : **2**

Q.10 Who among the following was conferred the title of 'Global Visionary of Sustainable Business and Peace' in 2020 by the Federation of Israel Chambers of Commerce for epitomising 'unity, peace and sustainability'?

- Ans** ☐ 1. Mukesh Ambani
☒ 2. Ratan Tata
☐ 3. Lakshmi Mittal
☐ 4. Azim Premji

Question ID : **6549786822**
Status : **Answered**
Chosen Option : **2**

Q.11 The minimum paid up equity capital to set up a small finance bank should be of _____, as proposed by RBI as of May 2020.

- Ans** ☐ 1. 75 crores
☒ 2. 200 crores
☐ 3. 100 crores
☐ 4. 300 crores

Question ID : **6549786807**
Status : **Answered**
Chosen Option : **3**

Q.12 Who among the following won the 2002 International Shooting Sport Federation (ISSF) Champion of Champions combined-air-rifle event to become the first Indian to win that competition?

- Ans** ☐ 1. Manu Bhaker
☐ 2. Rahi Sarnobat
☒ 3. Anjali Bhagwat
☐ 4. Anisa Sayyed

Question ID : **6549789048**
Status : **Answered**
Chosen Option : **1**

Q.13 Who among the following was elected as the President of the All India Chess Federation in January 2021?

- Ans**
- ☒ 1. Bhagat Singh Chauhan
 - ☒ 2. Ajay Kumar
 - ☒ 3. Sunil Arora
 - ☒ 4. Sanjay Kapoor

Question ID : **6549786827**
Status : **Answered**
Chosen Option : **1**

Q.14 Who among the following is the author of the epic story 'Manu Charitra'?

- Ans**
- ☒ 1. Ponna
 - ☒ 2. Allasani Peddana
 - ☒ 3. Bāṇabhaṭṭa
 - ☒ 4. Chand Bardai

Question ID : **6549789041**
Status : **Answered**
Chosen Option : **2**

Q.15 A _____ is a hydraulic structure of impervious material built across a river to create a reservoir on its upstream side for impounding water for various purposes.

- Ans**
- ☒ 1. dam
 - ☒ 2. block
 - ☒ 3. drainage
 - ☒ 4. fold

Question ID : **6549786817**
Status : **Answered**
Chosen Option : **1**

Q.16 'Bhand Pather' is a form of theatre dance performed in _____.

- Ans**
- ☒ 1. Goa
 - ☒ 2. Haryana
 - ☒ 3. Sikkim
 - ☒ 4. Kashmir

Question ID : **6549789028**
Status : **Answered**
Chosen Option : **2**

Q.17 In which of the following countries is the headquarters of International Table Tennis Federation situated?

- Ans**
- ☐ 1. Thailand
 - ☐ 2. Japan
 - ☐ 3. England
 - ☒ 4. Switzerland

Question ID : **6549786825**
Status : **Answered**
Chosen Option : **2**

Q.18 Sur Sarovar, also known as Keetham Lake, is a man-made reservoir. In which of the following years was it added in the list of Ramsar Sites?

- Ans**
- ☐ 1. 1998
 - ☐ 2. 1992
 - ☐ 3. 2015
 - ☒ 4. 2020

Question ID : **6549786818**
Status : **Answered**
Chosen Option : **2**

Q.19 CSIR as an autonomous body is the largest research and development organisation in India. What does CSIR stands for?

- Ans**
- ☒ 1. Council of Scientific and Industrial Research
 - ☐ 2. Council of Space and Industrial Research
 - ☐ 3. Centre of Space and Industrial Research
 - ☐ 4. Chamber of States and Industrial Research

Question ID : **6549786813**
Status : **Answered**
Chosen Option : **1**

Q.20 Which state of India has the highest percentage of crop land under irrigation?

- Ans**
- ☒ 1. Punjab
 - ☐ 2. Karnataka
 - ☐ 3. Gujarat
 - ☐ 4. Tamil Nadu

Question ID : **6549789037**
Status : **Answered**
Chosen Option : **1**

Q.21 Which of the following institutes bagged the UNESCO Asia-Pacific Award for cultural heritage conservation in December, 2020?

- Ans**
- ☒ 1. IIT Roorkee
 - ☒ 2. Amar Singh College Srinagar
 - ☒ 3. IIT Delhi
 - ☒ 4. BBK DAV. College Amritsar

Question ID : **6549786808**
Status : **Answered**
Chosen Option : **2**

Q.22 Who among the following begun his excavations at Dholavira in 1990?

- Ans**
- ☒ 1. RS Bisht
 - ☒ 2. MS Vats
 - ☒ 3. RD Banerji
 - ☒ 4. SR Rao

Question ID : **6549786820**
Status : **Answered**
Chosen Option : **1**

Q.23 As on 9 December 2020, how many states of India have implemented 'one nation one ration card system'?

- Ans**
- ☒ 1. 5
 - ☒ 2. 9
 - ☒ 3. 7
 - ☒ 4. 12

Question ID : **6549789031**
Status : **Answered**
Chosen Option : **2**

Q.24 To which group of organic molecules does 'Monosaccharides' belong?

- Ans**
- ☒ 1. Lipids
 - ☒ 2. Carbohydrates
 - ☒ 3. Nucleic acids
 - ☒ 4. Proteins

Question ID : **6549789036**
Status : **Answered**
Chosen Option : **2**

Q.25 What is the keyboard shortcut to add a new row above a given row in Microsoft Excel?

Ans

-  1. Shift + I + R
-  2. Shift + Spacebar
-  3. Alt + C + I
-  4. Alt + I + R

Question ID : **6549789026**

Status : **Answered**

Chosen Option : **2**