

Combined Higher Secondary Level Examination 2020 (Tier-I)

Roll Number	www.qmaths.in
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Venue Name	MBC Sudhir Memorial Institute
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Subject	Combined Higher Secondary Level Exam 2020

Section : English Language

Q.1 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.

The monkeys swung / on the branches and / jumped over the compound wall.

- Ans
- ☒ 1. on the branches and
 - ☒ 2. No error
 - ☒ 3. The monkeys swung
 - ☒ 4. jumped over the compound wall

Question ID : 6549786831

Status : Answered

Chosen Option : 3

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 required'.

What are the options available of me for a change of career?

- Ans
- ☒ 1. options available over me
 - ☒ 2. No substitution required
 - ☒ 3. options available to me
 - ☒ 4. options available from me

Question ID : 6549786134

Status : Answered

Chosen Option : 3

Q.3 Select the option that expresses the given sentence in passive voice.

Have you submitted the papers at the post office?

- Ans
- ☒ 1. Have the papers been submit by you at the post office?
 - ☒ 2. Have the papers been submitted by you at the post office?
 - ☒ 3. Had the papers submitted by you to the post office?
 - ☒ 4. Has the papers been submitted by you at the post office?

Question ID : 6549786828

Status : Answered

Chosen Option : 2

Q.4 Select the most appropriate meaning of the given idiom.

Butter fingers

- Ans**
- ☒ 1. To cook well
 - ☒ 2. To be very efficient
 - ☒ 3. To like rich food
 - ☒ 4. To be clumsy

Question ID : **6549786137**

Status : **Answered**

Chosen Option : **4**

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

Salient

- Ans**
- ☒ 1. Noticeable
 - ☒ 2. Navigable
 - ☒ 3. Marine
 - ☒ 4. Sturdy

Question ID : **6549786851**

Status : **Answered**

Chosen Option : **1**

Q.6 Select the option that expresses the given sentence in reported speech.

Neil Armstrong said, "It's a small step for man but a giant leap for mankind."

- Ans**
- ☒ 1. Neil Armstrong says that was a small step for man but a giant leap for mankind.
 - ☒ 2. Neil Armstrong said that a small step for man can be giant leap for mankind.
 - ☒ 3. Neil Armstrong said that it was a small step for man but a giant leap for mankind.
 - ☒ 4. Neil Armstrong had said that a small step for man is a giant leap for mankind.

Question ID : **6549786122**

Status : **Answered**

Chosen Option : **3**

Q.7 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'.

If the box breaking the glass bottle will be shattered.

- Ans**
- ☒ 1. If the box broke
 - ☒ 2. If the box breaks
 - ☒ 3. If the box break
 - ☒ 4. No substitution required

Question ID : **6549786840**

Status : **Answered**

Chosen Option : **2**

Q.8 Select the **INCORRECTLY** spelt word.

- Ans
- ☒ 1. Twinkle
 - ☒ 2. Readible
 - ☒ 3. Whisper
 - ☒ 4. Secluded

Question ID : 6549786846
Status : Answered
Chosen Option : 2

Q.9 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.

The energy required / for perform various functions of the body / is obtained from food.

- Ans
- ☒ 1. for perform various functions of the body
 - ☒ 2. The energy required
 - ☒ 3. No error
 - ☒ 4. is obtained from food

Question ID : 6549786123
Status : Answered
Chosen Option : 1

Q.10 Select the most appropriate word to fill in the blank.

The first van was sent as a _____ to mislead the thugs.

- Ans
- ☒ 1. persuasion
 - ☒ 2. determination
 - ☒ 3. temptation
 - ☒ 4. decoy

Question ID : 6549786853
Status : Answered
Chosen Option : 4

Q.11 Select the most appropriate meaning of the given idiom.

Large-hearted

- Ans
- ☒ 1. Corrupt
 - ☒ 2. Overweight
 - ☒ 3. Generous
 - ☒ 4. Unhealthy

Question ID : 6549786845
Status : Answered
Chosen Option : 3

Q.12 Select the most appropriate ANTONYM of the given word.

Compel

- Ans ☒ 1. Dissuade
☐ 2. Influence
☐ 3. Induce
☐ 4. Persuade

Question ID : 6549786135

Status : Answered

Chosen Option : 1

Q.13 Select the most appropriate ANTONYM of the given word.

Naïve

- Ans ☐ 1. Unsuspicious
☐ 2. Simple
☐ 3. Immature
☒ 4. Sophisticated

Question ID : 6549786843

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.14 Select the most appropriate synonym of the given word.

Apathetic

- Ans ☐ 1. Irregular
☒ 2. Indifferent
☐ 3. Irrelevant
☐ 4. Instantaneous

Question ID : 6549786143

Status : Answered

Chosen Option : 2

Q.15 Select the option that can be used as a one-word substitute for the given group of words.

Instrument that measures the altitude of the land surface

- Ans ☐ 1. Barometer
☐ 2. Chronometer
☒ 3. Altimeter
☐ 4. Thermometer

Question ID : 6549786142

Status : Answered

Chosen Option : 3

Q.16 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Attitude
 - ☒ 2. Altitude
 - ☒ 3. Attaractive
 - ☒ 4. Aptitude

Question ID : 6549786140
Status : Answered
Chosen Option : 3

Q.17 Select the option that can be used as a one-word substitute for the given group of words.

A place or scene of activity, debate, or conflict

- Ans
- ☒ 1. Arena
 - ☒ 2. Stadium
 - ☒ 3. Site
 - ☒ 4. Floor

Question ID : 6549786848
Status : Answered
Chosen Option : 3

Q.18 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. Games involved gladiators fighting wild animals or each other.
- B. Inside, tiered seating encircled the arena, where animals were caged and stage sets prepared.
- C. Inaugurated in AD 80, the 50,000-seat Colosseum is also known as the Flavian Amphitheatre.
- D. Rome's great gladiatorial arena is the most monumental of the city's ancient sights.

- Ans
- ☒ 1. ADCB
 - ☒ 2. BCAD
 - ☒ 3. DCBA
 - ☒ 4. DABC

Question ID : 6549786839
Status : Answered
Chosen Option : 3

Q.19 Select the most appropriate word to fill in the blank.

A micromanager frequently demands reports and updates leaving little room for subordinates to take _____ on their own.

- Ans
- ☒ 1. decisions
 - ☒ 2. results
 - ☒ 3. decrees
 - ☒ 4. verdicts

Question ID : 6549786145
Status : Answered
Chosen Option : 1

Q.20 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. Due to this tilt as the Earth wobbles around the Sun, different points of the Earth receive more or less sunlight.
- B. Furthermore, we also wouldn't have solstices or equinoxes.
- C. We know that seasons are caused by the Earth having a slight tilt on its axis.
- D. If the Sun just shone directly on the Equator all year long, we would be left without seasons.

Ans ☒ 1. ABCD

☒ 2. ACBD

☒ 3. CBDA

☒ 4. CADB

Question ID : 6549786131

Status : Answered

Chosen Option : 4

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank.

In the generation of hydroelectric power, water is collected or (1) _____ at a higher elevation and led downward (2) _____ large pipes to a lower elevation; the difference in elevations is (3) _____ as the head. At the end of its passage down the pipes, the falling water (4) _____ turbines to rotate. The turbines in turn drive generators, (5) _____ convert the turbines' mechanical energy into electricity.

SubQuestion No : 21

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

Ans ☒ 1. amassed

☒ 2. stored

☒ 3. deposited

☒ 4. hoarded

Question ID : 6549786833

Status : Answered

Chosen Option : 2

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank.

In the generation of hydroelectric power, water is collected or (1) _____ at a higher elevation and led downward (2) _____ large pipes to a lower elevation; the difference in elevations is (3) _____ as the head. At the end of its passage down the pipes, the falling water (4) _____ turbines to rotate. The turbines in turn drive generators, (5) _____ convert the turbines' mechanical energy into electricity.

SubQuestion No : 22

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

- Ans ☒ 1. through
☐ 2. over
☐ 3. beyond
☐ 4. above

Question ID : 6549786834

Status : Answered

Chosen Option : 1

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank.

In the generation of hydroelectric power, water is collected or (1) _____ at a higher elevation and led downward (2) _____ large pipes to a lower elevation; the difference in elevations is (3) _____ as the head. At the end of its passage down the pipes, the falling water (4) _____ turbines to rotate. The turbines in turn drive generators, (5) _____ convert the turbines' mechanical energy into electricity.

SubQuestion No : 23

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

- Ans ☐ 1. being known
☒ 2. known
☐ 3. told
☐ 4. know

Question ID : 6549786835

Status : Answered

Chosen Option : 2

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank.

In the generation of hydroelectric power, water is collected or (1) _____ at a higher elevation and led downward (2) _____ large pipes to a lower elevation; the difference in elevations is (3) _____ as the head. At the end of its passage down the pipes, the falling water (4) _____ turbines to rotate. The turbines in turn drive generators, (5) _____ convert the turbines' mechanical energy into electricity.

SubQuestion No : 24

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

- Ans ☒ 1. produces
☒ 2. causes
☒ 3. effects
☒ 4. begins

Question ID : 6549786836

Status : Answered

Chosen Option : 2

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank.

In the generation of hydroelectric power, water is collected or (1) _____ at a higher elevation and led downward (2) _____ large pipes to a lower elevation; the difference in elevations is (3) _____ as the head. At the end of its passage down the pipes, the falling water (4) _____ turbines to rotate. The turbines in turn drive generators, (5) _____ convert the turbines' mechanical energy into electricity.

SubQuestion No : 25

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

- Ans ☒ 1. which
☒ 2. they
☒ 3. who
☒ 4. whose

Question ID : 6549786837

Status : Answered

Chosen Option : 1

Section : General Intelligence

Q.1 Which two digits and signs need to be interchanged so as to balance the given equation?

$$97 \div 24 - 16 \times 5 + 37 = 53$$

- Ans ☒ 1. 2 and 3; + and \times
☒ 2. 7 and 6; + and -
☒ 3. 4 and 7; + and +
☒ 4. 2 and 3; + and -

Question ID : 6549786855

Status : Answered

Chosen Option : 2

Q.2 In a certain code language, BOOTLACE is coded as 49960372 and CAPELIN is coded as 7382015. How will TAPIOCA be coded in that language?

- Ans
- ☒ 1. 6582975
 - ☒ 2. 3673819
 - ☒ 3. 5381963
 - ☒ 4. 6381973

Question ID : 6549786156
Status : Answered
Chosen Option : 4

Q.3 Select the option that is related to the third word in the same way as the second word is related to the first word.

Hindi : Devanagari :: English : ?

- Ans
- ☒ 1. Latin
 - ☒ 2. Persian
 - ☒ 3. Greek
 - ☒ 4. British

Question ID : 6549786865
Status : Answered
Chosen Option : 1

Q.4 Select the number from among the given options that can replace the question mark (?) in the following series.

12, 22, 40, 74, 140, ?

- Ans
- ☒ 1. 270
 - ☒ 2. 274
 - ☒ 3. 280
 - ☒ 4. 268

Question ID : 6549786859
Status : Answered
Chosen Option : 1

Q.5 Select the option in which the numbers are related in the same way as are the numbers of the following set.

221 : 348 : 517

- Ans
- ☒ 1. 995 : 1326 : 1723
 - ☒ 2. 1005 : 1336 : 1733
 - ☒ 3. 343 : 512 : 729
 - ☒ 4. 1331 : 1728 : 2744

Question ID : 6549786151
Status : Answered
Chosen Option : 2

Q.6 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(72, 56, 42)

- Ans** ☒ 1. (132, 110, 90)
☐ 2. (80, 68, 58)
☐ 3. (80, 48, 24)
☐ 4. (126, 102, 80)

Question ID : **6549786857**

Status : **Answered**

Chosen Option : **1**

Q.7 Select the option in which the words share the same relationship as that shared by the given pair of words.

Virus : Ebola

- Ans** ☒ 1. Bacteria : Plague
☐ 2. Season : Common cold
☐ 3. Fungi : Diarrhoea
☐ 4. Mosquito : Jaundice

Question ID : **6549786161**

Status : **Answered**

Chosen Option : **2**

Q.8 Four numbers have been given in the options, out of which three are alike in some manner and one is different. Select the number that is different.

- Ans** ☐ 1. 345
☐ 2. 218
☐ 3. 514
☒ 4. 733

Question ID : **6549786153**

Status : **Answered**

Chosen Option : **4**

Q.9 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. Mycology
☒ 2. Geology
☐ 3. Entomology
☐ 4. Genomics

Question ID : **6549786870**

Status : **Answered**

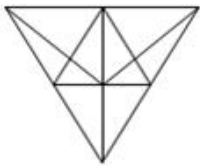
Chosen Option : **2**

Q.10 A notebook costs ₹12 each. A pen costs ₹9 each. Tina spends ₹123 on a total of 11 pieces of these articles. How many notebooks did she purchase?

- Ans
- ☒ 1. 8
 - ☐ 2. 9
 - ☐ 3. 11
 - ☐ 4. 6

Question ID : 6549786147
Status : Answered
Chosen Option : 1

Q.11 How many triangles are there in the given figure?



- Ans
- ☐ 1. 22
 - ☐ 2. 26
 - ☐ 3. 24
 - ☒ 4. 28

Question ID : 6549786167
Status : Answered
Chosen Option : 4

Q.12 Tushar is the only son of Jitendra, and Kirti is the daughter of Jitendra's father's brother. Suhani is the sister of Tushar. How is Suhani related to Kirti?



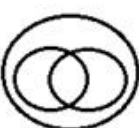
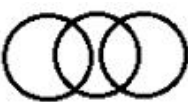
- Ans
- ☐ 1. Sister
 - ☐ 2. Aunt
 - ☒ 3. Niece
 - ☐ 4. Cousin

Question ID : 6549789809
Status : Answered
Chosen Option : 4

Q.13 Select the Venn diagram that best represents the relationship between the following classes.

Women, Mothers, Sisters

Ans

- ✗ 1. 
- ✗ 2. 
- ✓ 3. 
- ✗ 4. 

Question ID : 6549786171

Status : Answered

Chosen Option : 3

Q.14 Four letter-clusters have been given in the options, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

- Ans**
- ✗ 1. ILPU
- ✓ 2. KOSW
- ✗ 3. ORVA
- ✗ 4. EHLQ

Question ID : 6549786162

Status : Answered

Chosen Option : 2

Q.15 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 ducks are hens.
Some hens are chickens.

Conclusions:

- I. Some ducks are chickens.
II. Some hens are ducks.

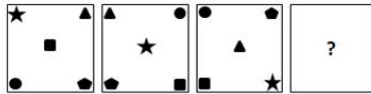
- Ans**
- ✗ 1. Neither conclusion I nor II follows.
- ✓ 2. Only conclusion II follows.
- ✗ 3. Both conclusions I and II follow.
- ✗ 4. Only conclusion I follows.

Question ID : 6549786871

Status : Answered

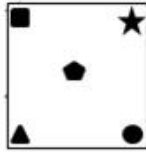
Chosen Option : 2

Q.16 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 : 6549786166

Status : Answered

Chosen Option : 3

Q.17 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

O _ E _ O Z _ T _ Z _ T

Ans

✓ 1. Z T E O E

✗ 2. T E Z O Z

✗ 3. O E T Z T

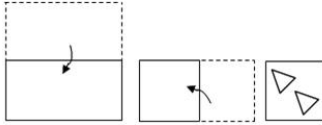
✗ 4. E Z T O E

Question ID : 6549789770

Status : Answered

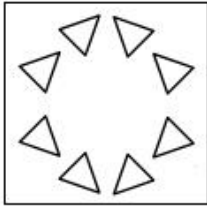
Chosen Option : 1

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?

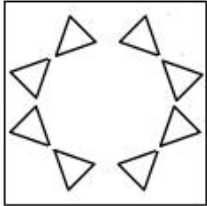


Ans

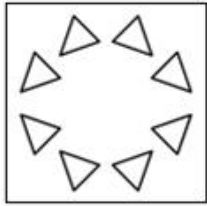
✗ 1.



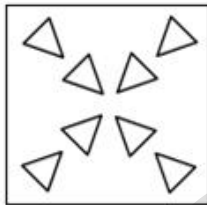
✗ 2.



✓ 3.



✗ 4.



Question ID : 6549786876

Status : Answered

Chosen Option : 3

Q.19 Select the option that is embedded in the given figure (rotation is NOT allowed).



Ans

- ✓ 1.
- ✗ 2.
- ✗ 3.
- ✗ 4.

Question ID : 6549786875

Status : Answered

Chosen Option : 1

Q.20 In a certain code language, ENVELOPE is written as IQZHPRTH. How will INTIMATE be written in that language?

- ✓ 1. MQXLQDXH
- ✗ 2. KPVKOCVG
- ✗ 3. NRYMREYI
- ✗ 4. LPWPCWG

Question ID : 6549786862

Status : Answered

Chosen Option : 1

Q.21 Three different positions of the same dice are shown. Select the letter that will be on the face opposite to the face having the letter E.



- ✗ 1. A
- ✓ 2. F
- ✗ 3. C
- ✗ 4. D

Question ID : 6549786165

Status : Answered

Chosen Option : 2

Q.22 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

12 : 20

Ans ☒ 1. 30 : 42

☐ 2. 42 : 57

☐ 3. 24 : 36

☐ 4. 18 : 28

Question ID : 6549786149

Status : Answered

Chosen Option : 1

Q.23 Select the option that is related to the third term in the same way as the second term is related to the first term.

QUORATE : AEOQRTU :: SANDBOX : ?

Ans ☐ 1. ASDNOBX

☐ 2. DNASXOB

☒ 3. ABDNOSX

☐ 4. BOXSAND

Question ID : 6549786864

Status : Answered

Chosen Option : 3

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. Expanse
2. Expansive
3. Expandable
4. Expansion
5. Expanded

Ans ☐ 1. 1-2-5-3-4

☒ 2. 3-5-1-4-2

☐ 3. 3-2-1-5-4

☐ 4. 5-3-1-2-4

Question ID : 6549786154

Status : Answered

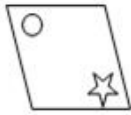
Chosen Option : 2

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

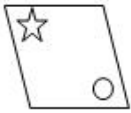


Ans

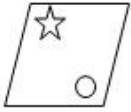
☒ 1.



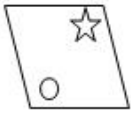
☒ 2.



☒ 3.



☒ 4.



Question ID : **6549786877**
Status : **Answered**
Chosen Option : **2**

Section : Quantitative Aptitude

Q.1 The income of A is 40% less than that of B . If A gets 25% rise in his income and B gets 40% rise in his income, then the percentage increase (correct to two decimal places) in the combined incomes of A and B will be:

Ans

☒ 1. 31.67

☒ 2. 37.86

☒ 3. 34.38

☒ 4. 35.19

Question ID : **6549786177**
Status : **Answered**
Chosen Option : **3**

Q.2 The average of eighteen numbers is 42. The average of the last ten numbers is 40 and that of the first five numbers is 44. The seventh number is 6 less than the sixth and 7 less than the eighth number. The average of the sixth and the eighth number is:

Ans

☒ 1. 47.5

☒ 2. 46.5

☒ 3. 45

☒ 4. 48

Question ID : **6549786175**
Status : **Answered**
Chosen Option : **1**

Q.3 If $9a^2 + 4b^2 + 49c^2 + 18 = 2(2b + 28c - 3a)$, then the value of $(a + 2b - c)$ will be:

Ans

✓ 1. $\frac{2}{21}$

✗ 2. $\frac{5}{21}$

✗ 3. $\frac{11}{21}$

✗ 4. $\frac{26}{21}$

Question ID : **6549786893**

Status : **Answered**

Chosen Option : **1**

Q.4 If $\cos\theta = \frac{P^2-1}{P^2+1}$, $0^\circ < \theta < 90^\circ$, then $\operatorname{cosec}\theta$ is equal to:

Ans

✗ 1. $\frac{2P}{1-P^2}$

✓ 2. $\frac{1+P^2}{2P}$

✗ 3. $\frac{1-P^2}{2P}$

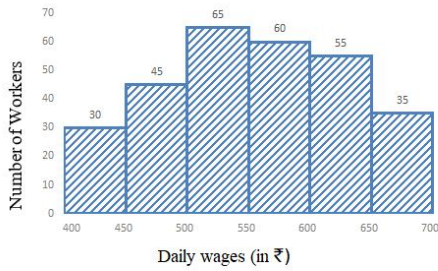
✗ 4. $\frac{2P}{1+P^2}$

Question ID : **6549786897**

Status : **Answered**

Chosen Option : **2**

Q.5 Study the graph which shows the daily wages (in ₹) with number of workers and answer the question that follows.



If the ratio of the total number of workers whose daily wages are less than ₹450 to the total number of workers whose daily wages are ₹600 or above is $a : b$, then what is the difference between b and a ?

- Ans**
- ☒ 1. 0
 - ☒ 2. 2
 - ☒ 3. 1
 - ☒ 4. 3

Question ID : 6549786094

Status : Answered

Chosen Option : 2

Q.6 If a nine-digit number $489x6378y$ is divisible by 72, then the value of $\sqrt{8x + 6y}$ will be:

- Ans**
- ☒ 1. 10
 - ☒ 2. 4
 - ☒ 3. 8
 - ☒ 4. 6

Question ID : 6549786188

Status : Answered

Chosen Option : 3

Q.7 A can do 60% of a work in 18 days, while B can do 40% of the same work in 10 days. Both work together for 10 days only. C completed the remaining work in 4 days. In how many days will C complete the same work?

- Ans**
- ☒ 1. 15
 - ☒ 2. 18
 - ☒ 3. 25
 - ☒ 4. 12

Question ID : 6549786879

Status : Answered

Chosen Option : 1

Q.8 In $\triangle ABC$, the length of BC is less than twice the length of AB by 2 cm. The length of AC exceeds the length of AB by 6 cm. The perimeter is 60 cm. The length (in cm) of the largest side of the triangle ABC is:

- Ans**
- ☒ 1. 30
 - ☒ 2. 20
 - ☒ 3. 28
 - ☒ 4. 26

Question ID : 6549786183
Status : Answered
Chosen Option : 4

Q.9 If PA and PB are tangents drawn to a circle with centre O at A and B from external point P such that $\angle APB = 78^\circ$, then $\angle OAB$ is equal to:

- Ans**
- ☒ 1. 12°
 - ☒ 2. 29°
 - ☒ 3. 39°
 - ☒ 4. 36°

Question ID : 6549786889
Status : Answered
Chosen Option : 3

Q.10 In $\triangle ABC$, $\angle A = 66^\circ$. If I is the incentre of the triangle, then the measure of $\angle BIC$ will be:

- Ans**
- ☒ 1. 119°
 - ☒ 2. 112°
 - ☒ 3. 123°
 - ☒ 4. 109°

Question ID : 6549786891
Status : Answered
Chosen Option : 3

Q.11 The value of $61\frac{3}{5} \div \left[40 \div 2 \text{ of } 5 + 27 \div \frac{1}{3} - \left(78 \div 3\frac{1}{3} \right) \right]$ is:

- Ans**
- ☒ 1. -5
 - ☒ 2. $\frac{41}{25}$
 - ☒ 3. $\frac{11}{25}$
 - ☒ 4. 1

Question ID : 6549786896
Status : Answered
Chosen Option : 4

Q.12 A bought an article for ₹4,800 and sold it at a loss of 30%. With this amount, he bought another article and sold it at a gain of 60%. What was his overall gain/loss?

- Ans**
- ☐ 1. Loss 15%
 - ☐ 2. Loss 18%
 - ☒ 3. Gain 12%
 - ☐ 4. Gain 10%

Question ID : 6549786885
Status : Answered
Chosen Option : 3

Q.13 A train travels at a speed of 66 km/h and halts at five junctions for a certain time. It covers a distance of 1485 km in one day. For how long (in minutes) does the train stop at each junction, if it halts for the same period of time at all the junctions?

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

Question ID : 6549786173
Status : Answered
Chosen Option : 2

Q.14 A circle is inscribed in a triangle ABC. It touches sides AB, BC and AC at points R, P and Q, respectively. If AQ = 6.5 cm, PC = 7.5 cm and BR = 9 cm, then the perimeter (in cm) of the triangle ABC will be:

- Ans**
- ☐ 1. 23
 - ☐ 2. 55
 - ☒ 3. 46
 - ☐ 4. 27.5

Question ID : 6549786181
Status : Answered
Chosen Option : 3

Q.15 The ratio of the incomes of A and B is 7 : 5. A and B save ₹4,000 and ₹3,500, respectively. If the expenditure of B is half the expenditure of A, then the total income of A and B (in ₹) will be:

- Ans**
- ☐ 1. 15,000
 - ☐ 2. 10,000
 - ☒ 3. 12,000
 - ☐ 4. 13,500

Question ID : 6549786179
Status : Answered
Chosen Option : 3

Q.16 If $7 \sin^2 \theta + 3 \cos^2 \theta = 4$, $0^\circ < \theta < 90^\circ$, then the value of θ will be:

- Ans**
- ☒ 1. 30°
 - ☐ 2. 60°
 - ☐ 3. 75°
 - ☐ 4. 45°

Question ID : **6549786899**

Status : **Answered**

Chosen Option : **1**

Q.17 The value of $\frac{3 \tan^2 60^\circ + \sec^2 30^\circ - \sin^2 45^\circ}{(\cos 15^\circ + \sin 75^\circ)(\sec 15^\circ + \operatorname{cosec} 75^\circ)}$ is:

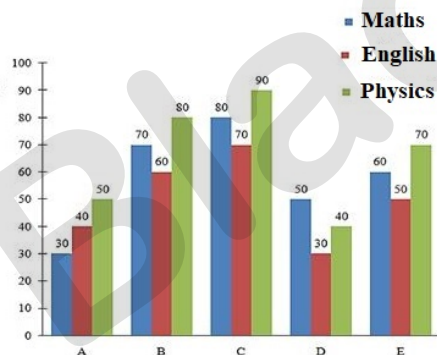
- Ans**
- ☐ 1. $\frac{13}{12}$
 - ☒ 2. $\frac{59}{24}$
 - ☐ 3. $\frac{65}{24}$
 - ☐ 4. $\frac{5}{12}$

Question ID : **6549786191**

Status : **Answered**

Chosen Option : **2**

Q.18 Study the following graph and answer the question that follows.
Marks scored by five students A, B, C, D and E in three subjects (Maths, English and Physics)



What are the approximate average marks obtained by C?

- Ans**
- ☐ 1. 65
 - ☐ 2. 75
 - ☐ 3. 70
 - ☒ 4. 80

Question ID : **6549788316**

Status : **Answered**

Chosen Option : **4**

Q.19 What will be the compound interest (in ₹) on a sum of ₹7,200 for 18 months at a rate of 20% per annum, if the interest is compounded half-yearly (nearest to an integer)?

- Ans
- ☒ 1. 2,833
 - ☒ 2. 2,383
 - ☒ 3. 3,238
 - ☒ 4. 2,338

Question ID : **6549786180**
Status : **Answered**
Chosen Option : **2**

Q.20 From a rectangular sheet of dimensions $32 \text{ cm} \times 18 \text{ cm}$, a square of side 3 cm is cut from the four corners of the sheet and a box is made. The volume of the box is:

- Ans
- ☒ 1. 936 cm^3
 - ☒ 2. 1300 cm^3
 - ☒ 3. 946 cm^3
 - ☒ 4. 1305 cm^3

Question ID : **6549786881**
Status : **Answered**
Chosen Option : **1**

Q.21 If $(4x - 5)^3 + (x - 2)^3 + 27(2x - 5)^3 = 9(4x - 5)(x - 2)(2x - 5)$,
then the value of $(x + \frac{3}{2})$ will be:

- Ans
- ☒ 1. $\frac{1}{2}$
 - ☒ 2. $\frac{5}{2}$
 - ☒ 3. $\frac{3}{2}$
 - ☒ 4. $\frac{7}{2}$

Question ID : **6549786894**
Status : **Answered**
Chosen Option : **4**

Q.22 If $9x^2 - 6x + 1 = 0$, then the value of $27x^3 + (27x^3)^{-1}$ will be:

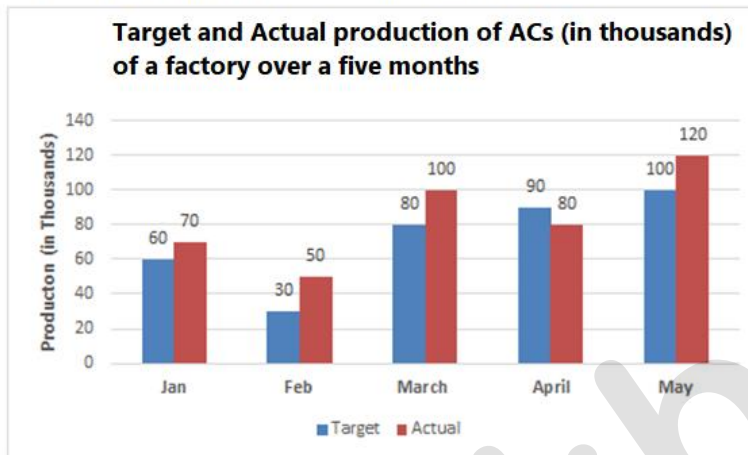
- Ans
- ☐ 1. 1
 - ☐ 2. 8
 - ☐ 3. 4
 - ☒ 4. 2

Question ID : 6549786185

Status : Answered

Chosen Option : 4

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



In which month is the actual production of ACs 20% more than its target production?

- Ans
- ☐ 1. January
 - ☐ 2. March
 - ☒ 3. May
 - ☐ 4. February

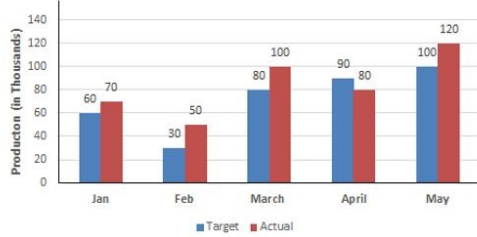
Question ID : 6549786196

Status : Answered

Chosen Option : 3

Q.24 Study the given graph which shows the Target and Actual production of AC's (in thousands) of a factory over five months and answer the question that follows.

Target and Actual Production of AC's (in Thousands) of a factory over five months



The ratio of the combined target production of ACs from January to April to that of the actual production of ACs from March to May is:

- Ans**
- ☒ 1. 19 : 15
 - ☒ 2. 15 : 19
 - ☒ 3. 13 : 15
 - ☒ 4. 15 : 13

Question ID : **6549786900**
Status : **Answered**
Chosen Option : **3**

Q.25 The successive discounts 18 % , 10 % and 15 % are equivalent to a single discount of:

- Ans**
- ☒ 1. 39.25%
 - ☒ 2. 37.27%
 - ☒ 3. 45.16%
 - ☒ 4. 41.32%

Question ID : **6549786883**
Status : **Answered**
Chosen Option : **2**

Section : **General Awareness**

Q.1 Where was the Khelo India Ice Hockey Tournament held in January 2021?

- Ans**
- ☒ 1. Drass
 - ☒ 2. Lungenak
 - ☒ 3. Chiktan
 - ☒ 4. Shargole

Question ID : **6549786221**
Status : **Answered**
Chosen Option : **1**

Q.2 Which maharaja of Manipur signed the Instrument of Accession with the Government of India?

- Ans**
- ☒ 1. Nara Singh
 - ☒ 2. Gambhir Singh
 - ☒ 3. Bodhchandra Singh
 - ☒ 4. Kulachandra Singh

Question ID : **6549786925**
Status : **Not Answered**
Chosen Option : --

Q.3 'Purusha Sukta' is a hymn from which Veda?

- Ans**
- ☒ 1. Samaveda
 - ☒ 2. Yajurveda
 - ☒ 3. Rigveda
 - ☒ 4. Atharvaveda

Question ID : **6549786214**
Status : **Answered**
Chosen Option : 3

Q.4 Which was the first empire in ancient India to use elephants in its war on a large scale?

- Ans**
- ☒ 1. Shunga
 - ☒ 2. Magadha
 - ☒ 3. Chola
 - ☒ 4. Kushans

Question ID : **6549786920**
Status : **Answered**
Chosen Option : 2

Q.5 Who discovered blood circulation?

- Ans**
- ☒ 1. Charles Darwin
 - ☒ 2. Rosalind Franklin
 - ☒ 3. David Baltimore
 - ☒ 4. William Harvey

Question ID : **6549786207**
Status : **Answered**
Chosen Option : 4

Q.6 Which of the following was the country in focus at the 51st International Film Festival of India held in Goa in January 2021?

- Ans ☒ 1. Bangladesh
☒ 2. Myanmar
☒ 3. Nepal
☒ 4. Bhutan

Question ID : **6549786202**
Status : **Answered**
Chosen Option : 1

Q.7 How many terabytes make one petabyte?

- Ans ☒ 1. 1024
☒ 2. 1042
☒ 3. 1048
☒ 4. 1084

Question ID : **6549786905**
Status : **Answered**
Chosen Option : 1

Q.8 The inertia of an object is measured by its ____.

- Ans ☒ 1. area
☒ 2. volume
☒ 3. mass
☒ 4. speed

Question ID : **6549786915**
Status : **Answered**
Chosen Option : 3

Q.9 As per Union Budget 2021, 9% of the government revenue will be spent on ____.

- Ans ☒ 1. interest payments
☒ 2. defence
☒ 3. centrally sponsored schemes
☒ 4. pensions

Question ID : **6549786912**
Status : **Not Answered**
Chosen Option : --

Q.10 Which of the following is a single user operating system?

- Ans
- ☐ 1. Windows NT
 - ☐ 2. Linux
 - ☒ 3. MS-DOS
 - ☐ 4. Windows 7

Question ID : 6549786197
Status : Answered
Chosen Option : 3

Q.11 Which web portal and mobile application did the Ministry of Housing and Urban Affairs, Government of India, launch in December 2020?

- Ans
- ☐ 1. e-Rozgar
 - ☒ 2. e-Sampada
 - ☐ 3. e-Dharti
 - ☐ 4. e-Uparjan

Question ID : 6549786201
Status : Answered
Chosen Option : 2

Q.12 In January 2021, the Defence Research Development Organisation (DRDO) developed India's first indigenous machine pistol called 'Asmi' in collaboration with _____.

- Ans
- ☐ 1. Central Ordnance Depot, Jabalpur
 - ☐ 2. College of Military Engineering, Pune
 - ☒ 3. Infantry School, Mhow
 - ☐ 4. Army War College, Mhow

Question ID : 6549786910
Status : Not Answered
Chosen Option : --

Q.13 The world's only floating national park, Keibul Lamjao National Park, is located in _____.

- Ans
- ☐ 1. Assam
 - ☒ 2. Manipur
 - ☐ 3. Tripura
 - ☐ 4. Nagaland

Question ID : 6549786916
Status : Answered
Chosen Option : 2

Q.14 Which of the following is a Kharif crop in North India and a Rabi crop in South India?

- Ans
- ☒ 1. Finger millet
 - ☒ 2. Wheat
 - ☒ 3. Barley
 - ☒ 4. Sesamum

Question ID : 6549786211
Status : Not Answered
Chosen Option : --

Q.15 Which of the following diseases is caused by Leishmania, a protozoan organism?

- Ans
- ☒ 1. Sleeping sickness
 - ☒ 2. Kala-azar
 - ☒ 3. Malaria
 - ☒ 4. Acne

Question ID : 6549786913
Status : Answered
Chosen Option : 2

Q.16 Who among the following was a World War II veteran, also associated with cricket?

- Ans
- ☒ 1. Alan Burgess
 - ☒ 2. Erik Karlsson
 - ☒ 3. Brad Friedel
 - ☒ 4. Ivan Cordoba

Question ID : 6549786219
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.17 The Sufi shrine Charar-e-Sharief (or Sharif) is located near _____ city.

- Ans
- ☒ 1. Srinagar
 - ☒ 2. Lucknow
 - ☒ 3. Mumbai
 - ☒ 4. Hyderabad

Question ID : 6549786199
Status : Not Answered
Chosen Option : --

Q.18 Which of the following is a main species of moist deciduous forests?

- Ans
- ☒ 1. Amaltas
 - ☒ 2. Khejri
 - ☒ 3. Sandalwood
 - ☒ 4. Neem

Question ID : 6549786917

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.19 Which of the following beaches was NOT awarded the international 'Blue Flag' certification by Foundation of Environment Education, Denmark as of October 2020?

- Ans
- ☒ 1. Ghoghla
 - ☒ 2. Kappad
 - ☒ 3. Rushikonda
 - ☒ 4. Talasari

Question ID : 6549786216

Status : Not Answered

Chosen Option : --

Q.20 Which of the following watershed development projects is sponsored by the Central Government aims at enabling the rural population to conserve water?

- Ans
- ☒ 1. Haryali
 - ☒ 2. Neeru-Meeru
 - ☒ 3. Arvary Pani Sansad
 - ☒ 4. Jal Kranti Abhiyan

Question ID : 6549786212

Status : Answered

Chosen Option : 4

Q.21 Which of the following Articles of the Constitution of India deals with the organisation of agriculture and animal husbandry?

- Ans
- ☒ 1. Article 92
 - ☒ 2. Article 29
 - ☒ 3. Article 84
 - ☒ 4. Article 48

Question ID : 6549786217

Status : Answered

Chosen Option : 4

Q.22 Public Sector Banks account for about _____ of market share in Indian banking as per the Economic Survey 2019-20.

- Ans
- ☐ 1. 80%
 - ☐ 2. 50%
 - ☐ 3. 40%
 - ☒ 4. 70%

Question ID : **6549786204**

Status : **Not Answered**

Chosen Option : --

Q.23 Who among the following did the Sports Authority of India appoint as the middle-and-long distance coach of the Indian athletics team in January 2021?

- Ans
- ☐ 1. Adille Sumariwalla
 - ☐ 2. Radhakrishnan Nair
 - ☐ 3. Avinash Sable
 - ☒ 4. Nikolai Snesearev

Question ID : **6549786927**

Status : **Not Answered**

Chosen Option : --

Q.24 A Shadava Raga has only _____ notes in its scale.

- Ans
- ☐ 1. eight
 - ☐ 2. five
 - ☒ 3. six
 - ☐ 4. seven

Question ID : **6549786907**

Status : **Not Answered**

Chosen Option : --

Q.25 Who among the following politicians was the Home Minister of India in Rajiv Gandhi's cabinet from 1986 to 1989?

- Ans
- ☐ 1. Madhavrao Scindia
 - ☐ 2. Ajit Kumar Panja
 - ☒ 3. Buta Singh
 - ☐ 4. Ashoke Kumar Sen

Question ID : **6549786922**

Status : **Not Answered**

Chosen Option : --