Combined Higher Secondary Level Examination 2020 (Tier-I)

Roll Number	Join Youtube Channel
Candidate Name	Join Youtube Channel
Venue Name	iON Digital Zone iDZ Aluva
Exam Date	06/08/2021
Exam Time	3:00 PM - 4:00 PM
Subject	Combined Higher Secondary Level Exam 2020

Section : **English Language**

Q.1 Select the option that can be used as a one-word substitute for the given group of words.

A strong interest in something or someone

Ans ✖ 1. Apathy

✖ 2. Empathy

✖ 3. Attachment

✔ 4. Fixation

Question ID : **6549787657**
Status : **Answered**
Chosen Option : **3**

Q.2 Select the correct passive form of the given sentence.

She has put fresh flowers in the flower vase.

Ans ✖ 1. Fresh flowers are put in the flower vase.

✖ 2. Fresh flowers has been put in the flower vase.

✔ 3. Fresh flowers have been put in the flower vase.

✖ 4. Fresh flowers are being put in the flower vase.

Question ID : **6549789353**
Status : **Answered**
Chosen Option : **3**

Q.3 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. Oprah Winfrey is one of the richest and most powerful American women, loved and admired by everyone.
B. When she was only 19, she became the first black female assistant to Nashville's evening news anchor.
C. But Oprah had a very difficult and traumatic childhood.
D. In 1986, Oprah became the television presenter of her own talk show called 'The Oprah Winfrey Show'.

Ans   ✗ 1. CBDA

✗ 2. BCAD

✓ 3. ABDC

✗ 4. DACB

Question ID : **6549787646**
Status : **Answered**
Chosen Option : **3**

Q.4 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'.

A school teacher earns <u>fewer salary from</u> a college lecturer.

Ans   ✗ 1. No substitution required

✓ 2. a lower salary than

✗ 3. less salary from

✗ 4. fewer salary than

Question ID : **6549787649**
Status : **Answered**
Chosen Option : **3**

Q.5 Select the most appropriate meaning of the given idiom.

To play with fire

Ans   ✗ 1. To pour oil on a burning fire

✗ 2. To fight fires like a fireman

✓ 3. To act in a dangerous and risky way

✗ 4. To hold a revenge against someone

Question ID : **6549787652**
Status : **Answered**
Chosen Option : **3**

Q.6 Select the most appropriate one-word substitution for the given words.

To come to an end

Ans ✗ 1. initiate

✓ 2. expire

✗ 3. inspire

✗ 4. exhale

> Question ID : **6549789373**
> Status : **Answered**
> Chosen Option : **2**

Q.7 In the given sentence, identify the segment which contains a grammatical error.

Every participant gave so outstanding performance that it became difficult to choose the winner.

Ans ✗ 1. to choose the winner

✗ 2. that it became difficult

✗ 3. Every participant gave

✓ 4. so outstanding performance

> Question ID : **6549789356**
> Status : **Answered**
> Chosen Option : **4**

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

Friendly

Ans ✗ 1. Zealous

✗ 2. Amiable

✗ 3. Upright

✓ 4. Hostile

> Question ID : **6549787650**
> Status : **Answered**
> Chosen Option : **4**

Q.9 Select the misspelt word.

Ans ✓ 1. boundry

✗ 2. library

✗ 3. instalment

✗ 4. already

> Question ID : **6549789371**
> Status : **Answered**
> Chosen Option : **1**

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

You don't usually discuss money with friends, because it may _____ the relationship negatively.

Ans ✔ 1. affect

✘ 2. improve

✘ 3. effect

✘ 4. strengthen

> Question ID : **6549787660**
>
> Status : **Answered**
>
> Chosen Option : **1**

Q.11 Select the INCORRECTLY spelt word.

Ans ✔ 1. Benifitiary

✘ 2. Strategy

✘ 3. Tractor

✘ 4. Territory

> Question ID : **6549787655**
>
> Status : **Answered**
>
> Chosen Option : **1**

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

SAVAGE

Ans ✘ 1. violent

✘ 2. brutal

✘ 3. vicious

✔ 4. cultured

> Question ID : **6549789368**
>
> Status : **Answered**
>
> Chosen Option : **4**

Q.13 Given below are four sentences in jumbled order. Select the option that gives their correct order.

A. Once, on an airplane, I leaned over to tie my shoelace.
B. I found myself pinned helplessly in the crash position, unable to move.
C. I always have catastrophes when I travel.
D. Just at that moment, the person in the seat ahead threw his seat back into full recline.

Ans ✘ 1. DBAC

✘ 2. ABDC

✘ 3. BDAC

✔ 4. CADB

> Question ID : **6549789364**
>
> Status : **Answered**
>
> Chosen Option : **4**

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

Imitate

Ans ✗ 1. Disregard

✗ 2. Effect

✗ 3. Enlighten

✔ 4. Mimic

> Question ID : **6549787658**
>
> Status : **Answered**
>
> Chosen Option : **4**

Q.15 **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'.**

The workers' union has threatened <u>for going to</u> an indefinite strike.

Ans ✗ 1. for going to

✗ 2. No substitution

✔ 3. to go on

✗ 4. to be going for

> Question ID : **6549789365**
>
> Status : **Answered**
>
> Chosen Option : **3**

Q.16 **Select the most appropriate meaning of the underlined idiom in the given sentence.**

Organic food seems to be <u>in vogue</u> these days.

Ans ✗ 1. readily available

✗ 2. out of stock

✗ 3. very expensive

✔ 4. in fashion

> Question ID : **6549789370**
>
> Status : **Answered**
>
> Chosen Option : **4**

Q.17 **Select the option that expresses the given sentence in direct speech.**

She told the car mechanic that her car was giving very low mileage.

Ans ✗ 1. She said to the car mechanic, "Her car has been giving very low mileage."

✔ 2. She said to the car mechanic, "My car is giving very low mileage."

✗ 3. She asked the car mechanic, "Why is my car giving very low mileage?"

✗ 4. The car mechanic said to her, "Your car is giving very low mileage."

> Question ID : **6549787637**
>
> Status : **Answered**
>
> Chosen Option : **2**

Q.18 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**

My brother lost / his job during the lockdown, / but he had got / a new job now.

Ans ✗ 1. his job during the lockdown

✗ 2. a new job now

✗ 3. My brother lost

✔ 4. but he had got

Question ID : **6549787638**

Status : **Answered**

Chosen Option : **4**

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

COMMENCE

Ans ✗ 1. complete

✗ 2. resume

✔ 3. launch

✗ 4. conclude

Question ID : **6549789376**

Status : **Answered**

Chosen Option : **3**

Q.20 **Fill in the blank with most appropriate word.**

I am _____ of joining the armed forces.

Ans ✗ 1. keen

✗ 2. interested

✗ 3. eager

✔ 4. desirous

Question ID : **6549789378**

Status : **Answered**

Chosen Option : **4**

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 number.

The little princess said, "I shut you in a golden cage because I wanted to have you all to (1) _____. I never knew it would make you so unhappy. I love you (2) _____ to grant you freedom and let you be happy in your (3) _____." Then she opened the cage and let out the (4) _____ little bird. The bird said, "I will come back to sing you the (5) _____ songs I know," and flew away into the blue.

SubQuestion No : 21

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

Ans ✗ 1. itself

✗ 2. himself

✗ 3. herself

✔ 4. myself

Question ID : **6549789358**

Status : **Answered**

Chosen Option : **4**

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 number.

The little princess said, "I shut you in a golden cage because I wanted to have you all to (1) _____. I never knew it would make you so unhappy. I love you (2) _____ to grant you freedom and let you be happy in your (3) _____." Then she opened the cage and let out the (4) _____ little bird. The bird said, "I will come back to sing you the (5) _____ songs I know," and flew away into the blue.

SubQuestion No : 22

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

Ans ✗ 1. so much

✔ 2. enough

✗ 3. so

✗ 4. more

Question ID : **6549789359**

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 number.

The little princess said, "I shut you in a golden cage because I wanted to have you all to (1) _____. I never knew it would make you so unhappy. I love you (2) _____ to grant you freedom and let you be happy in your (3) _____." Then she opened the cage and let out the (4) _____ little bird. The bird said, "I will come back to sing you the (5) _____ songs I know," and flew away into the blue.

SubQuestion No : 23

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

Ans ✖ 1. path

✖ 2. turn

✔ 3. way

✖ 4. cage

Question ID : **6549789360**

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 number.

The little princess said, "I shut you in a golden cage because I wanted to have you all to (1) _____. I never knew it would make you so unhappy. I love you (2) _____ to grant you freedom and let you be happy in your (3) _____." Then she opened the cage and let out the (4) _____ little bird. The bird said, "I will come back to sing you the (5) _____ songs I know," and flew away into the blue.

SubQuestion No : 24

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

Ans ✔ 1. terrified

✖ 2. terrible

✖ 3. terrifying

✖ 4. terrorizing

Question ID : **6549789361**

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 number.

The little princess said, "I shut you in a golden cage because I wanted to have you all to (1) _____. I never knew it would make you so unhappy. I love you (2) _____ to grant you freedom and let you be happy in your (3) _____." Then she opened the cage and let out the (4) _____ little bird. The bird said, "I will come back to sing you the (5) _____ songs I know," and flew away into the blue.

SubQuestion No : 25

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

Ans ✗ 1. most lovelier

✗ 2. much lovely

✗ 3. more lovely

✔ 4. loveliest

Question ID : **6549789362**

Status : **Answered**

Chosen Option : **1**

Section : **General Intelligence**

Q.1 Select the option in which the numbers share the same relationship as that shared by the numbers in the given set.

(6, 8, 192)

Ans ✗ 1. (12, 13, 263)

✗ 2. (8, 11, 180)

✔ 3. (11, 9, 396)

✗ 4. (7, 5, 78)

Question ID : **6549789382**

Status : **Answered**

Chosen Option : **3**

Q.2 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different.

Ans ✔ 1. 3 : 30

✗ 2. 7 : 349

✗ 3. 4 : 70

✗ 4. 8 : 518

Question ID : **6549787668**

Status : **Answered**

Chosen Option : **1**

Q.3 Select the number that can replace the question mark (?) in the following series.

14, 29, 60, 123, ? , 505

Ans   ✓ 1. 250

✗ 2. 150

✗ 3. 305

✗ 4. 280

Question ID : **6549789384**

Status : **Answered**

Chosen Option : **1**

Q.4 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(15, 7, 252)

Ans   ✗ 1. (23, 9, 510)

✗ 2. (27, 10, 520)

✗ 3. (16, 14, 451)

✓ 4. (12, 16, 372)

Question ID : **6549787666**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

Q.5 Ankit is 30 years younger than his father. After 4 years Ankit's sister will be half the age of her father. The total of the present ages of Ankit and his sister is 67 years. What is the present age of Ankit's father?

Ans   ✗ 1. 48 years

✓ 2. 66 years

✗ 3. 60 years

✗ 4. 52 years

Question ID : **6549787662**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

Q.6 'Soldier' is related to 'Security' in the same way as 'Farmer' is related to '_____'.

Ans   ✓ 1. Agriculture

✗ 2. Army

✗ 3. Rain

✗ 4. Poverty

Question ID : **6549789390**

Status : **Answered**

Chosen Option : **1**

Q.7 **Mahendra is the son of Naman, who is the brother of Reema's mother. How is Mahendra related to Reema?**

Ans

❌ 1. Uncle

❌ 2. Son

✔️ 3. Cousin

❌ 4. Brother

Question ID : **6549788584**

Status : **Answered**

Chosen Option : **3**

Q.8 **Three of the following four words are alike in a certain way and one is different. Select the odd one.**

Ans

❌ 1. Almond

❌ 2. Cashew

❌ 3. Walnuts

✔️ 4. Dry Fruits

Question ID : **6549789395**

Status : **Answered**

Chosen Option : **4**

Q.9 **Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number.**

26 : 182 : : ? : 203 : : 38 : 266

Ans

❌ 1. 35

❌ 2. 33

✔️ 3. 29

❌ 4. 27

Question ID : **6549787664**

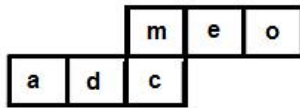Status : **Marked For Review**

Chosen Option : **3**

Q.10 **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.**

FOR : MVY : : DEX : ?

Ans

❌ 1. LLF

✔️ 2. KLE

❌ 3. KLF

❌ 4. KME

Question ID : **6549789389**

Status : **Answered**

Chosen Option : **2**

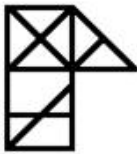**Q.11** Select the cubes that can be formed by folding the given sheet along the lines.
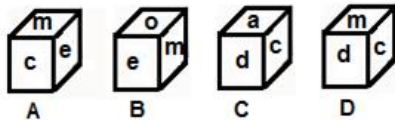
Ans

❌ 1. Only B and C

✔️ 2. Only A and D

❌ 3. Only A, C and D

❌ 4. Only B, C and D

Question ID : **6549787680**
Status : **Answered**
Chosen Option : **2**

Q.12 How many triangles are there in the given figure?

Ans

❌ 1. 14

❌ 2. 16

❌ 3. 17

✔️ 4. 15

Question ID : **6549787682**
Status : **Marked For Review**
Chosen Option : **4**

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. Mosaic
2. Mosquito
3. Mortgage
4. Moratorium
5. Morphed

Ans

❌ 1. 4, 3, 1, 2, 5

✔️ 2. 4, 5, 3, 1, 2

❌ 3. 1, 4, 3, 2, 5

❌ 4. 4, 1, 3, 5, 2

Question ID : **6549787669**
Status : **Answered**
Chosen Option : **2**

Q.14 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:
All bottles are utensils.
All kitchens are utensils.

Conclusions:
I. No bottle is a kitchen.
II. Some bottles are kitchens.
III. No utensil is a bottle.

Ans ✗ 1. Only conclusions I and II follow

✗ 2. Only conclusions II and III follow

✔ 3. Either conclusion I or II follows

✗ 4. All the conclusions follow

Question ID : **6549789396**

Status : **Answered**

Chosen Option : **3**

Q.15 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. MORV

✗ 2. XZCG

✔ 3. VYAE

✗ 4. BDGK

Question ID : **6549787677**

Status : **Answered**

Chosen Option : **3**

Q.16 Select the option figure which contains figure X embedded in it as its part (rotation is NOT allowed).
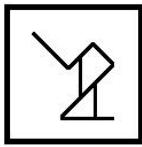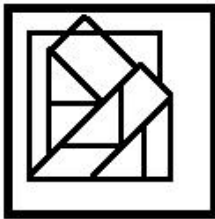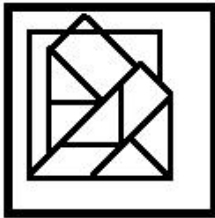

Figure X

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.

Question ID : **6549789400**

Status : **Answered**

Chosen Option : **1**

Q.17 In a code language, MAGIC is written as NZTRX. How will LAYER be written in that language?
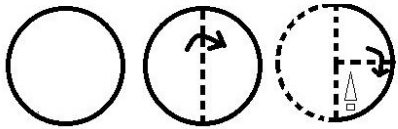
Ans ✔ 1. OZBVI

✘ 2. OZBVH

✘ 3. NZBVQ

✘ 4. PZPVI

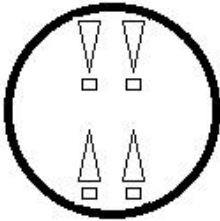Question ID : **6549789387**

Status : **Answered**

Chosen Option : **1**

Q.18 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.
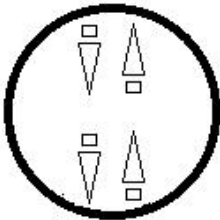

Ans

✗ 1.

✗ 2.

✗ 3.

✓ 4.
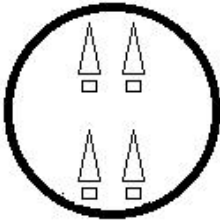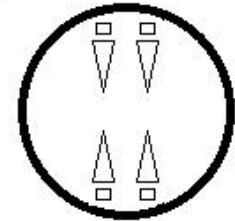
Question ID : **6549789401**

Status : **Answered**

Chosen Option : **4**

Q.19 Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.

p _ q q r _ p p q _ r r _ p q _ _ r

Ans ✗ 1. q q p p r r

✓ 2. p r q p q r

✗ 3. q p r q r q

✗ 4. r p q r p q

Question ID : **6549786866**

Status : **Answered**

Chosen Option : **2**

Q.20 In a certain code language, 'FOSTER' is coded as '61219202218' and 'CARGO' is coded as '32618712'. How will 'MARRIAGE' be coded in that language?

Ans ✗ 1. 132609091826705

✓ 2. 132618181826722

✗ 3. 132618180926705

✗ 4. 140118181801722

Question ID : **6549787671**

Status : **Answered**

Chosen Option : **3**

Q.21 In the following Venn diagram, the pentagon stands for 'Librarians', the rectangle stands for 'Income Tax Payers', and the circle stands for 'Post-graduates'. The given numbers represent the number of persons in that particular category.
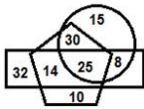
How many librarians are there who are also post-graduates?

Ans ✗ 1. 25

✗ 2. 14

✗ 3. 30

✓ 4. 55

Question ID : **6549787686**

Status : **Answered**

Chosen Option : **4**

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

Axe : Chop

Ans ✓ 1. Chisel : Carve

✗ 2. Compass : Architecture

✗ 3. Scissor : Design

✗ 4. Scalpel : Stitching

Question ID : **6549787676**

Status : **Answered**

Chosen Option : **1**

Q.23 Select the figure from among the given options that can replace the question mark (?) in the following series.

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.
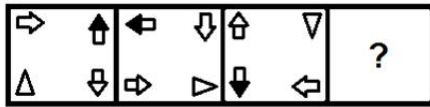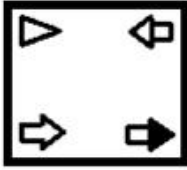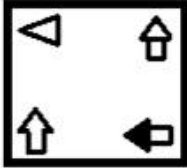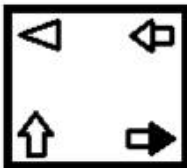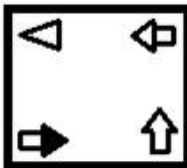
Question ID : **6549787681**
Status : **Answered**
Chosen Option : **3**

Q.24 Which two signs and two numbers should be interchanged to make the given equation correct?

12 × 5 + 7 ÷ 4 − 6 = 25

Ans   ✗ 1. × and −, 6 and 5

✗ 2. × and +, 12 and 4

✗ 3. × and ÷, 7 and 6

✔ 4. ÷ and −, 4 and 12

Question ID : **6549789380**
Status : **Answered**
Chosen Option : **4**

Q.25 Select the correct mirror image of the given letter cluster when a mirror is placed on the right side of the cluster.

DNKTRA

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **6549789402**

Status : **Answered**

Chosen Option : **4**

Section : **Quantitative Aptitude**

Q.1 Two positive numbers are in the ratio 8 : 13. If the sum of their squares is 2097, then the sum of the two numbers is:

Ans ✗ 1. 64

✔ 2. 63

✗ 3. 60

✗ 4. 65

Question ID : **6549787694**

Status : **Answered**

Chosen Option : **2**

Q.2 The circumference of a circle is '$a\pi$' units and the area of the circle is '$b\pi$' square units. If a : b is equal to 4 : 5, then the radius of the circle is:

Ans ✗ 1. 2 cm

✗ 2. 5 cm

✗ 3. 3 cm

✔ 4. 2.5 cm

Question ID : **6549787696**

Status : **Answered**

Chosen Option : **4**

Q.3 The present population of a village (males and females) is 7640. If the number of males increases by 25% and the number of females increases by 15%, then the population will become 9214. The difference between the present population of males and females in the village is:

Ans ✗ 1. 940

✗ 2. 960

✗ 3. 820

✔ 4. 920

Question ID : **6549787692**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

Q.4 If the adjacent sides of a rectangle whose perimeter is 60 cm are in the ratio 3 : 2, then what will be the area of the rectangle?

Ans
✗ 1. 864 cm^2

✗ 2. 300 cm^2

✗ 3. 60 cm^2

✔ 4. 216 cm^2

Question ID : **6549789406**

Status : **Answered**

Chosen Option : **4**

Q.5 If the simple interest on a certain sum of money borrowed for 4 years at 9.5% per annum exceeds the simple interest on the same sum for 3 years at 12.5% per annum by ₹225, then the sum borrowed is:

Ans
✗ 1. ₹42,000

✗ 2. ₹48,000

✗ 3. ₹35,000

✔ 4. ₹45,000

Question ID : **6549787695**

Status : **Answered**

Chosen Option : **4**

Q.6 If $x^4 - 12x^2 + 1 = 0$, then what will be the value of $x^4 + \frac{1}{x^4}$?

Ans
✗ 1. 10

✗ 2. 146

✗ 3. 144

✔ 4. 142

Question ID : **6549789419**

Status : **Answered**

Chosen Option : **4**

Q.7 If the angle between the internal bisectors of two angles $\angle B$ and $\angle C$ of a triangle ABC is 125°, then the value of $\angle A$ is:

Ans
✗ 1. 62 °

✔ 2. 70 °

✗ 3. 72 °

✗ 4. 65°

Question ID : **6549787698**

Status : **Answered**

Chosen Option : **2**

Q.8 The histogram shows the marks scored by 40 students in a test with maximum 30 marks. How many students scored 10 or more marks?
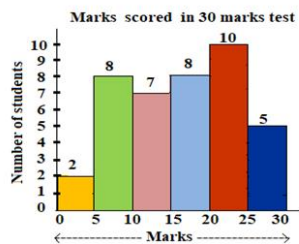
Ans

✔ 1. 30

✘ 2. 10

✘ 3. 23

✘ 4. 38

Question ID : **6549789425**

Status : **Marked For Review**

Chosen Option : **1**

Q.9 If $3\cot A = 4\tan A$ and A is an acute angle, then what will be the value of $\sec A$?

Ans

✘ 1. $\frac{1}{\sqrt{3}}$

✘ 2. $\frac{\sqrt{21}}{3}$

✘ 3. $\frac{1}{2}$

✔ 4. $\frac{\sqrt{7}}{2}$

Question ID : **6549789424**

Status : **Answered**

Chosen Option : **4**

Q.10 If $x + \frac{81}{x} = 18$ where $x > 0$, then the value of $x^2 + \frac{162}{x^2}$ is:

Ans

✘ 1. 81

✘ 2. 85

✘ 3. 78

✔ 4. 83

Question ID : **6549787700**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

Q.11 What is the value of $\frac{cos^2 20° + cos^2 70°}{sin^2 90°} - tan^2 45°$?

Ans   ✖ 1. 1

   ✔ 2. 0

   ✖ 3. −2

   ✖ 4. −1

Question ID : **6549789422**

Status : **Answered**

Chosen Option : **2**

Q.12 Simplify the following expression.

$$\frac{3\frac{2}{3} - 5\frac{7}{9} \div \frac{1}{3} \times 1\frac{2}{13}}{\frac{2}{3} \, of \, 1\frac{1}{3} \div \frac{1}{3}}$$

Ans   ✖ 1. $-29\frac{2}{5}$

   ✖ 2. $-2\frac{77}{104}$

   ✔ 3. $-6\frac{1}{8}$

   ✖ 4. $-14\frac{1}{4}$

Question ID : **6549789421**

Status : **Answered**

Chosen Option : **3**

Q.13 If $x - \frac{1}{x} = 2\sqrt{2}$, then what will be the value of $x^3 - \frac{1}{x^3}$?

Ans   ✖ 1. $12\sqrt{2}$

   ✖ 2. $20\sqrt{2}$

   ✖ 3. $10\sqrt{2}$

   ✔ 4. $22\sqrt{2}$

Question ID : **6549789418**

Status : **Answered**

Chosen Option : **4**

Q.14 Mohan takes 2 hours more than Kishore to walk 63 km. If Mohan increases his speed by 50%, then he can make it in 1 hour less than Kishore. How much time does Kishore take to walk 63 km?
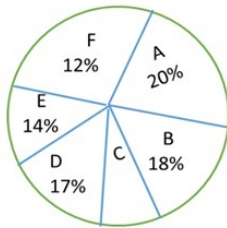
Ans

✗ 1. 6 hours

✓ 2. 7 hours

✗ 3. 5 hours

✗ 4. 9 hours

Question ID : **6549787688**

Status : **Answered**

Chosen Option : **4**

Q.15 The following pie chart represents the percentage-wise distribution of 300 students of class X in a school in six different sections A, B, C, D, E and F.

The given table shows the number of boys of class X in six different sections A, B, C, D, E and F.

Section	A	B	C	D	E	F
No. of boys	36	26	34	28	------	20

The total number of boys in sections A, B and D together is what percentage more than the total number of girls in sections A, B and D together?

Ans

✓ 1. 20%

✗ 2. 30%

✗ 3. 18%

✗ 4. 15%

Question ID : **6549787711**

Status : **Answered**

Chosen Option : **1**

Q.16 Suman and Lata working together can complete a task in 8 days. If Lata can complete the same task in 12 days, then how many days will Suman take to complete the same task?

Ans

✗ 1. 18

✓ 2. 24

✗ 3. 10

✗ 4. 15

Question ID : **6549789404**

Status : **Answered**

Chosen Option : **2**

Q.17 Amit purchased stationery marked for ₹8,000 at 12% discount and spent ₹160 on transportation. He sold the stationery at the marked price. Find his profit percentage.

Ans ✗ 1. 10

✗ 2. 12

✓ 3. $11\frac{1}{9}$

✗ 4. $12\frac{1}{2}$

Question ID : **6549789410**

Status : **Marked For Review**

Chosen Option : **1**

Q.18 Chord AB of a circle with radius 5 cm is at a distance of 4 cm from the centre O. If tangents drawn at A and B intersect at P, then find the length of the tangent AP.

Ans ✗ 1. 2.4 cm

✗ 2. 3 cm

✓ 3. 3.75 cm

✗ 4. 7.5 cm

Question ID : **6549789414**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

Q.19 Points D, E and F are on the sides AB, BC and AC, respectively, of triangle ABC such that AE, BF and CD bisect ∠A, ∠B and ∠C, respectively. If AB = 6 cm, BC = 7 cm and AC = 8 cm, then what will be the length of BE?

Ans ✗ 1. 3.5 cm

✗ 2. 4 cm
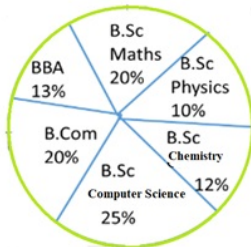
✗ 3. 3.6 cm

✓ 4. 3 cm

Question ID : **6549789416**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

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

Total number of students admitted in a college = 700.

Distribution of the percentage of students in various courses.

Percentage-wise distribution of the number of boys.

Course	Number of boys
B.Sc. Maths	40%
B.Sc. Physics	68%
B.Sc. Chemistry	58%
B.Sc. Computer Science	80%
B.Com.	75%
BBA	65%

The difference between the number of boys and the number of girls admitted in B.Com. is:

Ans   ✗ 1. 60

       ✗ 2. 65

       ✔ 3. 70

       ✗ 4. 75

Question ID : **6549789628**

Status : **Answered**

Chosen Option : **3**

Q.21   A customer availed a 10% discount on the purchase of a table and paid ₹4,950 for it. How much money would he have saved if he had bargained to get 12% discount?

Ans   ✗ 1. ₹99

       ✗ 2. ₹660

       ✗ 3. ₹108.90

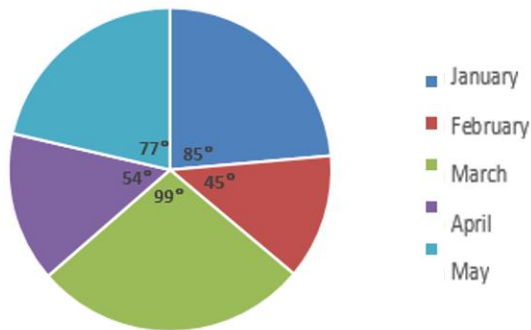   ✔ 4. ₹110

Question ID : **6549789408**

Status : **Marked For Review**

Chosen Option : **2**

Q.22 Study the given pie chart and answer the question that follows.

The pie chart shows the distribution (degree wise) of the number of computers sold by a shopkeeper during five months.

Total Number of Computers Sold = 5400

- ■ January
- ■ February
- ■ March
- ■ April
- ■ May

By what percentage is the total number of computers sold in February and March more than the number of computers sold in April and May (correct to one decimal place)?

Ans
- ✗ 1. 8.8%
- ✗ 2. 10.6%
- ✗ 3. 11.5%
- ✔ 4. 9.9%

Question ID : **6549786902**
Status : **Answered**
Chosen Option : **4**

Q.23 The average of the squares of four consecutive odd natural numbers is 201. The average of 7 times of the largest number and 3 times of the smallest number is:

Ans
- ✔ 1. 76
- ✗ 2. 78
- ✗ 3. 72
- ✗ 4. 66

Question ID : **6549787690**
Status : **Answered**
Chosen Option : **1**

Q.24

If $\dfrac{\sin^2 \theta}{\tan^2 \theta - \sin^2 \theta} = 5$, then the value of $\dfrac{24\cos^2 \theta - 15\sec^2 \theta}{6\cos ec^2\theta - 7\cot^2 \theta}$ is:

Ans
- ✗ 1. 1
- ✗ 2. 4
- ✗ 3. 6
- ✔ 4. 2

Question ID : **6549787706**
Status : **Answered**
Chosen Option : **4**

Q.25 When a positive integer $'n'$ is divided by 12, the remainder is 5. What will be the remainder if $8n^2 + 7$ is divided by 12?

Ans   ✗ 1. 4

✓ 2. 3

✗ 3. 5

✗ 4. 2

Question ID : **6549787703**

Status : **Answered**

Chosen Option : **2**

Section : **General Awareness**

Q.1 In Indian history who were referred to as the 'atavika rajya'?

Ans   ✓ 1. Forest kingdom

✗ 2. South Indian kingdom

✗ 3. Mughal empire

✗ 4. Republican state

Question ID : **6549789445**

Status : **Answered**

Chosen Option : **2**

Q.2 Which of the following festivals is celebrated for fertility and better fortune in Jharkhand?

Ans   ✗ 1. Karam

✓ 2. Jawa

✗ 3. Sarhul

✗ 4. Sohrai

Question ID : **6549789432**

Status : **Answered**

Chosen Option : **4**

Q.3 Which of the following statements about blood pressure is correct?

Ans   ✗ 1. The normal systolic pressure is about 80 mm of Hg and diastolic pressure is 120 mm of Hg.

✗ 2. The normal systolic pressure is about 160 mm of Hg and diastolic pressure is 80 mm of Hg.

✓ 3. The normal systolic pressure is about 120 mm of Hg and diastolic pressure is 80 mm of Hg.

✗ 4. The normal systolic pressure is about 72 mm of Hg and diastolic pressure is 35 mm of Hg.

Question ID : **6549787722**

Status : **Answered**

Chosen Option : **1**

Q.4 Where in India will you find India's largest tulip garden?

Ans ✓ 1. Munsiyari

✗ 2. Srinagar

✗ 3. Lansdowne

✗ 4. Dehradun

Question ID : **6549789441**

Status : **Answered**

Chosen Option : **2**

Q.5 Which of the following ministries launched the e-Sampada mobile app in December 2020?

Ans ✓ 1. Ministry of Housing and Urban Affairs

✗ 2. Ministry of Home Affairs

✗ 3. Ministry of Ayurveda, Yoga & Naturopathy, Unani, Siddha and Homoeopathy

✗ 4. Ministry of Agriculture and Farmers' Welfare

Question ID : **6549787717**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

Q.6 Ujjain is on the banks of river _____.

Ans ✓ 1. Kshipra

✗ 2. Dibang

✗ 3. Saraswati

✗ 4. Sarayu

Question ID : **6549789442**

Status : **Answered**

Chosen Option : **1**

Q.7 Who won the Chess.com's 2020 Junior Speed Online Chess Championship after beating Russia's Alexey Sarana?

Ans ✗ 1. D Gukesh

✓ 2. Nihal Sarin

✗ 3. Magnus Carlsen

✗ 4. Raunak Sadhwani

Question ID : **6549787734**

Status : **Answered**

Chosen Option : **2**

Q.8 To which of the following states does the dance drama 'Khyal' belong?

Ans ✘ 1. Madhya Pradesh

✔ 2. Rajasthan

✘ 3. Punjab

✘ 4. Gujarat

Question ID : **6549787714**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

Q.9 Which of the following is NOT a correct match of Dargah and its respective location?

Ans ✘ 1. Haji Ali Dargah - Mumbai

✔ 2. Shaikh Nizamuddin Auliya Dargah - Agra

✘ 3. Khwaja Qutbuddin Bakhtiyar Kaki Dargah - Delhi

✘ 4. Shaikh Muinuddin Sijzi (chishti) Dargah - Ajmer

Question ID : **6549787729**

Status : **Answered**

Chosen Option : **2**

Q.10 Who among the following was the captain of women's hockey team of India as of December 2020?

Ans ✘ 1. Reena Khokhar

✔ 2. Rani Rampal

✘ 3. Grace Ekka

✘ 4. Rajani Etimarpu

Question ID : **6549789452**

Status : **Answered**

Chosen Option : **2**

Q.11 Which of the following was the first High Court established in India?

Ans ✘ 1. Delhi

✘ 2. Bombay

✘ 3. Madras

✔ 4. Calcutta

Question ID : **6549789450**

Status : **Answered**

Chosen Option : **4**

Q.12 **Which country apart from India was declared a winner at the 2020 Online FIDE Chess Olympiad?**

Ans ✗ 1. Sweden

✗ 2. Finland

✗ 3. Brazil

✓ 4. Russia

> Question ID : **6549789435**
> Status : **Answered**
> Chosen Option : **4**

Q.13 **Which of the following is the correct full form of JPEG?**

Ans ✗ 1. Joint Pixel Exports Group

✗ 2. Joint Photography Exports Group

✗ 3. Joint Pixel Experts Group

✓ 4. Joint Photographic Experts Group

> Question ID : **6549789430**
> Status : **Answered**
> Chosen Option : **4**

Q.14 **For which of the following categories were Paul R Milgrom and Robert B Wilson awarded the Nobel Prize in 2020?**

Ans ✗ 1. Literature

✗ 2. Chemistry

✓ 3. Economic Sciences

✗ 4. Physiology or Medicine

> Question ID : **6549787731**
> Status : **Answered**
> Chosen Option : **3**

Q.15 **How many recognised essential vitamins are there as on March 2021?**

Ans ✗ 1. 11

✓ 2. 13

✗ 3. 15

✗ 4. 9

> Question ID : **6549789438**
> Status : **Not Attempted and Marked For Review**
> Chosen Option : **--**

Q.16 Which Indian actor received the 'Crystal Award' at the World Economic Forum 2020?

Ans ✔ 1. Deepika Padukone

✘ 2. Kareena Kapoor

✘ 3. Katrina Kaif

✘ 4. Alia Bhatt

Question ID : **6549789447**

Status : **Answered**

Chosen Option : **1**

Q.17 Which of the following was the first operating system written in 'C' language?

Ans ✘ 1. Xenix

✔ 2. UNIX

✘ 3. Windows 95

✘ 4. LINUX

Question ID : **6549787712**

Status : **Answered**

Chosen Option : **2**

Q.18 IC 1101 is a _____.

Ans ✔ 1. galaxy

✘ 2. asteroid

✘ 3. satellite

✘ 4. supernova

Question ID : **6549789440**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

Q.19 Which of the following national parks is situated in Kerala?

Ans ✘ 1. Tadoba National Park

✔ 2. Eravikulam National Park

✘ 3. Kaziranga National Park

✘ 4. Sanjay Gandhi National Park

Question ID : **6549787726**

Status : **Answered**

Chosen Option : **2**

Q.20 **Which of the following states had the highest per capita income for the year 2019-2020?**

Ans ✔️ 1. Goa

❌ 2. Gujarat

❌ 3. Kerala

❌ 4. Sikkim

Question ID : **6549789437**

Status : **Answered**

Chosen Option : **1**

Q.21 **Ministry of Finance introduced a new form called Form 26AS for:**

Ans ❌ 1. job application

❌ 2. e-Visa application

✔️ 3. tax payers

❌ 4. school admission application

Question ID : **6549787719**

Status : **Answered**

Chosen Option : **3**

Q.22 **Which of the following rivers is a tributary of Krishna River?**

Ans ❌ 1. Amravati

✔️ 2. Tungabhadra

❌ 3. Bhavani

❌ 4. Hemavati

Question ID : **6549787727**

Status : **Answered**

Chosen Option : **2**

Q.23 **Good Governance Day is observed annually on 25 December on the birth anniversary of _____.**

Ans ❌ 1. P. V. Narasimha Rao

❌ 2. Jawaharlal Nehru

✔️ 3. Atal Bihari Vajpayee

❌ 4. Rajiv Gandhi

Question ID : **6549787716**

Status : **Answered**

Chosen Option : **3**

Q.24 Who among the following represented India at the international level in shooting?

Ans   ✓ 1. Anjum Moudgil

✗ 2. Aditi Chauhan

✗ 3. Amit Panghal

✗ 4. Ashalata Devi

Question ID : **6549787736**

Status : **Answered**

Chosen Option : **3**

Q.25 Who among the following is NOT a part of the committee, which is constructed to provide suggestions to the Prime Minister regarding the appointment of a chief commissioner of Central Information Commission?

Ans   ✗ 1. Prime Minister

✓ 2. Speaker of the Lok Sabha

✗ 3. A Union Cabinet Minister appointed by Prime Minister

✗ 4. Leader of Opposition in Lok Sabha

Question ID : **6549787732**

Status : **Answered**

Chosen Option : **2**