Combined Higher Secondary Level Examination 2020 (Tier-I)

Roll Number	Join Youtube Channel
Candidate Name	Join Youtube Channel
Venue Name	iON Digital Zone Ganga Nagar Meerut
Exam Date	05/08/2021
Exam Time	3:00 PM - 4:00 PM
Subject	Combined Higher Secondary Level Exam 2020

Section : **English Language**

Q.1 **Select the most appropriate meaning of the underlined idiom in the given sentence.**

The friends quarrelled some time ago but now they are trying to make up with each other.

Ans   ✗ 1. to blame each other

      ✗ 2. to compete with one another

      ✗ 3. to part forever

      ✔ 4. to settle their differences

> Question ID : **6549788359**
> Status : **Answered**
> Chosen Option : **4**

Q.2 **Fill in the blank with most appropriate word.**

The old building was _____ by the authorities.

Ans   ✗ 1. pulled up

      ✗ 2. pulled off

      ✔ 3. pulled down

      ✗ 4. pulled through

> Question ID : **6549788367**
> Status : **Answered**
> Chosen Option : **3**

Q.3 **Select the option that can be used as a one-word substitute for the given group of words.**

Relating to soldiers or war

Ans   ✗ 1. Marital

      ✔ 2. Martial

      ✗ 3. Political

      ✗ 4. Official

> Question ID : **6549787555**
> Status : **Answered**
> Chosen Option : **2**

Q.4 **Select the most appropriate word to fill in the blank.**

Despite their _____, impersonal rules that apply to all are essential in large systems.

Ans ✔ 1. limitations

✖ 2. benefits

✖ 3. support

✖ 4. advantages

> Question ID : **6549787560**
> Status : **Not Answered**
> Chosen Option : **--**

Q.5 **Select the correct indirect form of the given sentence.**

The watchman said, "I did not see anyone last night."

Ans ✔ 1. The watchman said that he had not seen anyone the previous night.

✖ 2. The watchman said that he did not saw anyone the previous night.

✖ 3. The watchman said that he did not see anyone last night.

✖ 4. The watchman said that I had not seen anyone last night.

> Question ID : **6549788344**
> Status : **Answered**
> Chosen Option : **1**

Q.6 **Select the misspelt word.**

Ans ✖ 1. vicious

✖ 2. pompous

✖ 3. lustrous

✔ 4. trecherous

> Question ID : **6549788362**
> Status : **Answered**
> Chosen Option : **1**

Q.7 **Select the most appropriate antonym of the given word.**

NEGLECT

Ans ✔ 1. care

✖ 2. fail

✖ 3. trust

✖ 4. omit

> Question ID : **6549788357**
> Status : **Answered**
> Chosen Option : **1**

Q.8 Select the most appropriate meaning of the idiomatic expression given.

To poke one's nose into

Ans   ✗ 1. To clean one's nose with a twig

      ✗ 2. To insert something in another's nose

      ✔ 3. To take interest in others' affairs

      ✗ 4. To bury oneself in another matter

> Question ID : **6549787552**
> Status : **Answered**
> Chosen Option : **4**

Q.9 Given below are four sentences in jumbled order. Select the option that gives their correct order.

A. The other was a ruffled, glum-faced man, heavily built and roughly dressed.
B. One man had a handsome presence with a bold and frank look.
C. But the most striking thing was that they were handcuffed together.
D. The two men who boarded the train from Denver were an odd pair.

Ans   ✗ 1. ADCB

      ✗ 2. BADC

      ✔ 3. DBAC

      ✗ 4. DCAB

> Question ID : **6549788353**
> Status : **Answered**
> Chosen Option : **3**

Q.10 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. Earlier, they had to look through hundreds of mugshots in large books and they could make a positive identification only in 5% of the cases.
B. This saves a lot of time and effort and also leads to more positive identifications.
C. Now computers make this easier for witnesses by projecting only pictures that match the descriptions closely.
D. After a crime, witnesses often give the police a description and thus help to identify the criminal.

Ans   ✗ 1. BACD

      ✔ 2. DACB

      ✗ 3. ACBD

      ✗ 4. CBAD

> Question ID : **6549787546**
> Status : **Answered**
> Chosen Option : **2**

Q.11 **Select the most appropriate synonym of the given word.**

Herald

Ans ❌ 1. Suppress

❌ 2. Succeed

✅ 3. Announce

❌ 4. Halt

> Question ID : **6549787558**
> Status : **Answered**
> Chosen Option : **4**

Q.12 **Select the most appropriate synonym of the given word.**

ADEPT

Ans ✅ 1. skilled

❌ 2. rough

❌ 3. clumsy

❌ 4. lazy

> Question ID : **6549788365**
> Status : **Answered**
> Chosen Option : **1**

Q.13 **Select the option that expresses the given sentence in active or passive voice.**

Wi-Fi hotspots will be installed by the government in remote areas by 2022.

Ans ❌ 1. Wi-Fi hotspots will install in remote areas by 2022 by the government.

❌ 2. The government will install remote areas and hotspots by 2022.

❌ 3. Remote areas will install Wi-Fi hotspots by the government by 2022.

✅ 4. The government will install Wi-Fi hotspots in remote areas by 2022.

> Question ID : **6549787535**
> Status : **Answered**
> Chosen Option : **4**

Q.14 **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'.**

Large glasses magnified his eyes <u>so that to gave</u> him the appearance of a wise owl.

Ans ❌ 1. No substitution

❌ 2. as though to gave

❌ 3. so that it gives

✅ 4. so as to give

> Question ID : **6549788356**
> Status : **Answered**
> Chosen Option : **2**

Q.15 Select the INCORRECTLY spelt word.

Ans ✗ 1. Interfere

✗ 2. Fragrance

✓ 3. Temparary

✗ 4. Accustomed

Question ID : **6549787553**

Status : **Answered**

Chosen Option : **3**

Q.16 In the given sentence, identify the segment which contains a grammatical error.

Despite of being a close friend he did not help me in any way.

Ans ✓ 1. Despite of being

✗ 2. he did not help me

✗ 3. a close friend

✗ 4. in any way

Question ID : **6549788345**

Status : **Answered**

Chosen Option : **1**

Q.17 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The police arrested / two young men, but / neither of them were / responsible for the robbery.

Ans ✗ 1. The police arrested

✓ 2. neither of them were

✗ 3. for the robbery

✗ 4. two young men, but

Question ID : **6549787538**

Status : **Answered**

Chosen Option : **2**

Q.18 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'.

I want to buy this book. Please give me <u>any money</u>.

Ans ✗ 1. less money

✗ 2. little money

✓ 3. some money

✗ 4. No substitution required

Question ID : **6549787547**

Status : **Answered**

Chosen Option : **3**

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

Restrictive

Ans ✗ 1. Closed

✗ 2. Thrifty

✗ 3. Broad

✔ 4. Liberal

Question ID : **6549787550**

Status : **Answered**

Chosen Option : **4**

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

one who pretends to be what he is not

Ans ✗ 1. fanatic

✔ 2. hypocrite

✗ 3. optimist

✗ 4. stoic

Question ID : **6549788364**

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.

We must understand that people can process very little information presented orally. So, it is (1) _____, particularly for a teacher, to realise that the students have sometimes listened to three or four teachers (2) _____ you. So, the teacher must have props like notes, handouts and slides that will make the learning material (3) _____ alive for the students and stay that way with them. A visual aid, a little movement or colour will get the students' attention. Another important thing to (4) _____ is that long, complicated sentences spoken fast are simply too difficult for students to understand. It is, therefore, (5) _____ to use short sentences that make sense to them instantly.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank number 1.

Ans ✗ 1. immaterial

✗ 2. urgent

✔ 3. important

✗ 4. unnecessary

Question ID : **6549787540**

Status : **Answered**

Chosen Option : **3**

Comprehension:

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

We must understand that people can process very little information presented orally. So, it is (1) _____, particularly for a teacher, to realise that the students have sometimes listened to three or four teachers (2) _____ you. So, the teacher must have props like notes, handouts and slides that will make the learning material (3) _____ alive for the students and stay that way with them. A visual aid, a little movement or colour will get the students' attention. Another important thing to (4) _____ is that long, complicated sentences spoken fast are simply too difficult for students to understand. It is, therefore, (5) _____ to use short sentences that make sense to them instantly.

SubQuestion No : 22

Q.22 **Select the most appropriate option to fill in blank number 2.**

Ans   ✗ 1. beside

   ✔ 2. before

   ✗ 3. behind

   ✗ 4. after

Question ID : **6549787541**

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.

We must understand that people can process very little information presented orally. So, it is (1) _____, particularly for a teacher, to realise that the students have sometimes listened to three or four teachers (2) _____ you. So, the teacher must have props like notes, handouts and slides that will make the learning material (3) _____ alive for the students and stay that way with them. A visual aid, a little movement or colour will get the students' attention. Another important thing to (4) _____ is that long, complicated sentences spoken fast are simply too difficult for students to understand. It is, therefore, (5) _____ to use short sentences that make sense to them instantly.

SubQuestion No : 23

Q.23 **Select the most appropriate option to fill in blank number 3.**

Ans   ✗ 1. be

   ✗ 2. go

   ✗ 3. stay

   ✔ 4. come

Question ID : **6549787542**

Status : **Answered**

Chosen Option : **3**

Comprehension:

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

We must understand that people can process very little information presented orally. So, it is (1) _____, particularly for a teacher, to realise that the students have sometimes listened to three or four teachers (2) _____ you. So, the teacher must have props like notes, handouts and slides that will make the learning material (3) _____ alive for the students and stay that way with them. A visual aid, a little movement or colour will get the students' attention. Another important thing to (4) _____ is that long, complicated sentences spoken fast are simply too difficult for students to understand. It is, therefore, (5) _____ to use short sentences that make sense to them instantly.

SubQuestion No : 24

Q.24 **Select the most appropriate option to fill in blank number 4.**

Ans ✗ 1. decide

✗ 2. determine

✔ 3. realise

✗ 4. guess

Question ID : **6549787543**

Status : **Answered**

Chosen Option : **3**

Comprehension:

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

We must understand that people can process very little information presented orally. So, it is (1) _____, particularly for a teacher, to realise that the students have sometimes listened to three or four teachers (2) _____ you. So, the teacher must have props like notes, handouts and slides that will make the learning material (3) _____ alive for the students and stay that way with them. A visual aid, a little movement or colour will get the students' attention. Another important thing to (4) _____ is that long, complicated sentences spoken fast are simply too difficult for students to understand. It is, therefore, (5) _____ to use short sentences that make sense to them instantly.

SubQuestion No : 25

Q.25 **Select the most appropriate option to fill in blank number 5.**

Ans ✔ 1. advisable

✗ 2. compulsory

✗ 3. critical

✗ 4. mandatory

Question ID : **6549787544**

Status : **Answered**

Chosen Option : **1**

Section : **General Intelligence**

Q.1 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.

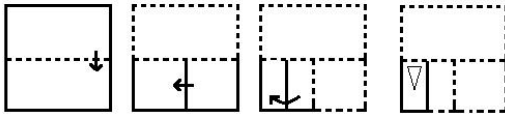**11 : 242 : : ? : 162 : : 14 : 392**

Ans ✗ 1. 12

✗ 2. 10

✗ 3. 8
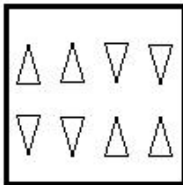
✔ 4. 9

Question ID : **6549788371**
Status : **Answered**
Chosen Option : **4**

Q.2 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
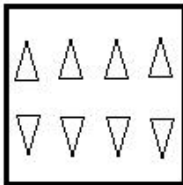
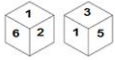✗ 1.

✗ 2.

✗ 3.

✔ 4.
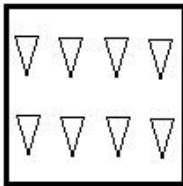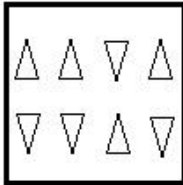
Question ID : **6549787583**
Status : **Answered**
Chosen Option : **4**

Q.3 Two different positions of the same dice are shown, the six faces of which are numbered from 1 to 6. Select the number that will be on the face opposite to the one having '4'.

Ans ✖ 1. 2

✖ 2. 3

✖ 3. 5

✔ 4. 1

Question ID : **6549788387**

Status : **Answered**

Chosen Option : **4**

Q.4 Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Courage : Bravery

Ans ✖ 1. Afraid : Lazy

✖ 2. Patience : Violent

✔ 3. Systematic : Orderly

✖ 4. Aggressive : Fragile

Question ID : **6549788383**

Status : **Answered**

Chosen Option : **3**

Q.5 How many triangles are there in the figure given below?

Ans ✖ 1. 9

✖ 2. 8

✔ 3. 10

✖ 4. 11

Question ID : **6549788389**

Status : **Answered**

Chosen Option : **1**

Q.6 Select the option that is related to the third term in the same way as the second term is related to the first term.

TANGLE : XERKPI : : FIGHTS : ?

Ans ✔ 1. JMKLXW

✘ 2. JNOLXW

✘ 3. JMKMXX

✘ 4. KMKLYW

Question ID : **6549787571**

Status : **Answered**

Chosen Option : **1**

Q.7 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

H _ Z _ H O Z C H O _ D _ O _ E H _ Z F

Ans ✘ 1. H B Z H H O

✘ 2. O B H O Z O

✔ 3. O B Z H Z O

✘ 4. O C Z H Z H

Question ID : **6549787573**

Status : **Answered**

Chosen Option : **2**

Q.8 Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.

100 * 25 * 35 * 15 * 5 * 190

Ans ✘ 1. −, +, ÷, ×, =

✘ 2. +, −, ÷, ×, =

✘ 3. ×, −, +, ÷, =

✔ 4. −, +, ×, ÷, =

Question ID : **6549787562**

Status : **Answered**

Chosen Option : **4**

Q.9 A family consists of six members. Surendar is the son of Revant. Pranavi is the wife of Revant. Yugal is the brother of Revant. Kundana is the daughter of Pranavi. Janardan is the brother of Pranavi. How many children does Pranavi have?

Ans ✔ 1. 2

✘ 2. 1

✘ 3. 3

✘ 4. 4

Question ID : **6549786766**

Status : **Answered**

Chosen Option : **1**

Q.10 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

M

R w b 5 1 9 |

N

Ans ✓ 1.

✗ 2.

✗ 3.

✗ 4.

Question ID : **6549787584**

Status : **Answered**

Chosen Option : **1**

Q.11 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 drivers are artists.
All fathers are artists.
No father is a doctor.

Conclusions:
I. No doctor is an artist.
II. No driver is a doctor.
III. Some artists are fathers.

Ans ✗ 1. Both conclusions I and III follow

✓ 2. Only conclusion III follows

✗ 3. Only conclusion II follows

✗ 4. Both conclusions I and II follow

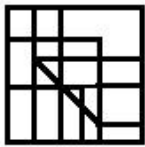Question ID : **6549787578**

Status : **Answered**

Chosen Option : **2**

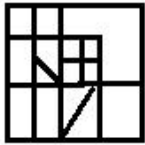**Q.12** Select the option in which the given figure is embedded (rotation is NOT allowed).

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Question ID : **6549787582**

Status : **Answered**

Chosen Option : **3**

Q.13 Select the number from among the given options that can replace the question mark (?) in the following series.

52, ?, 113, 162, 226, 307

Ans ✗ 1. 70

✗ 2. 83

✔ 3. 77

✗ 4. 89

Question ID : **6549787566**

Status : **Answered**

Chosen Option : **3**

Q.14 Three of the following four letter-cluster pairs are alike in a certain way and one is different. Select the odd one.

Ans ✗ 1. TAP : VDT
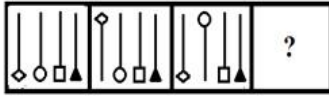
✗ 2. RAT : TDX

✔ 3. FRY : HTB

✗ 4. DRY : FUC

Question ID : **6549788384**

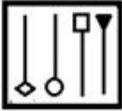Status : **Not Answered**

Chosen Option : **--**

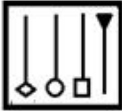**Q.15** Select the figure that will replace the question mark (?) in the following figure series.
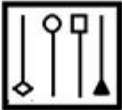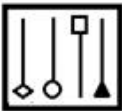

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **6549788388**

Status : **Answered**

Chosen Option : **4**

Q.16 Select the option in which the numbers in the set share the same relationship as the numbers in the given set.

(25, 19, 36)

Ans

✔ 1. (22, 17, 25)

✗ 2. (27, 11, 38)

✗ 3. (24, 22, 49)

✗ 4. (20, 14, 66)

Question ID : **6549788373**

Status : **Not Answered**

Chosen Option : **--**

Q.17 In a group of 72 workers, each worker participates in one or more of three activities, i.e. Quiz, Mono-acting and Mimicry. 11 workers participate in Quiz only, 15 participate in Mono-acting only and 14 participate in Mimicry only. If 5 workers participate in all three activities, then how many workers participate in any two activities?
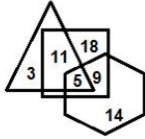
Ans

✔ 1. 27

✗ 2. 15

✗ 3. 25

✗ 4. 37

Question ID : **6549788369**

Status : **Not Answered**

Chosen Option : **--**

Q.18 In the Venn diagram given below, if 'Hexagon' represents 'Farmers', 'Triangle' represents 'Villagers' and 'Square' represents 'Beneficiaries', then how many Farmers are there who are Villagers and Beneficiaries also?

Ans

✘ 1. 9

✔ 2. 5

✘ 3. 11

✘ 4. 18

Question ID : **6549788393**

Status : **Answered**

Chosen Option : **2**

Q.19 In a certain code language, 'MODERATE' is written as 'OQEFTBVF' and 'LIFE' is written as 'NJGF'. How will 'CLEAR' be written in that language?

Ans

✘ 1. DNGBU

✘ 2. ENFBT

✔ 3. DNFBT

✘ 4. DOFCT

Question ID : **6549787569**

Status : **Answered**

Chosen Option : **2**

Q.20 In a code language, if LOCK is written as 1212311 and KEY is written as 112225, then how will DEAR be written in the same language?

Ans

✘ 1. 4220218

✘ 2. 4052619

✘ 3. 4232609

✔ 4. 4222618

Question ID : **6549788378**

Status : **Answered**

Chosen Option : **4**

Q.21 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. Ophthalmologist

✔ 2. Psychiatrist

✘ 3. Cardiologist

✘ 4. Gastroenterologist

Question ID : **6549787577**

Status : **Answered**

Chosen Option : **2**

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

Ans ✓ 1. 8 : 516

✗ 2. 5 : 130

✗ 3. 9 : 734

✗ 4. 7 : 348

Question ID : **6549788375**

Status : **Answered**

Chosen Option : **1**

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

Kick : Football : : Backstroke : ?

Ans ✗ 1. Weight lifting

✓ 2. Swimming

✗ 3. Cricket

✗ 4. Polo

Question ID : **6549787572**

Status : **Answered**

Chosen Option : **2**

Q.24 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Primary
2. Pristine
3. Predator
4. Precaution
5. Preserve

Ans ✗ 1. 4, 3, 5, 2, 1

✗ 2. 4, 5, 3, 1, 2

✗ 3. 3, 4, 5, 1, 2

✓ 4. 4, 3, 5, 1, 2

Question ID : **6549788376**

Status : **Answered**

Chosen Option : **4**

Q.25 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(21, 13, 17)

Ans ✗ 1. (11, 21, 140)

✗ 2. (25, 35, 38)

✓ 3. (32, 46, 39)

✗ 4. (22, 57, 81)

Question ID : **6549787564**

Status : **Not Answered**

Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1 During his morning walk, Atul walks for 45 minutes at a speed of 8 km/h and takes 15 rounds of a park. Shekhar takes
10 rounds of the same park in 40 minutes. What is the speed of Shekhar in km/h?

Ans   ✗ 1. 6.75

   ✗ 2. 7.5

   ✗ 3. 7.2

   ✔ 4. 6

Question ID : **6549788395**

Status : **Answered**

Chosen Option : **2**

Q.2 Two circles of radii 4 cm and 3 cm, respectively, touch each other externally. What is the distance (in cm) between their
centres?

Ans   ✗ 1. 5

   ✗ 2. 16

   ✗ 3. 9

   ✔ 4. 7

Question ID : **6549787596**

Status : **Answered**

Chosen Option : **4**

Q.3 If the number 87m6203m is divisible by 6, then find the sum of all possible values of 'm'.

Ans   ✔ 1. 10

   ✗ 2. 15

   ✗ 3. 16

   ✗ 4. 20

Question ID : **6549788410**

Status : **Answered**

Chosen Option : **1**

Q.4 The given pie charts show the distribution of students of graduate and postgraduate levels in five different institutes, P, Q, R, S and T, in a town. Study the pie charts and answer the question that follows.

(i) Total number of students of graduate level in five different institutes = 12400
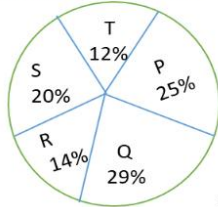

Fig.(i)

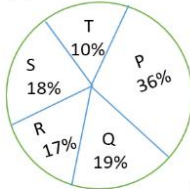(ii) Total number of students of postgraduate level in five different institutes = 8000

Fig.(ii)

The total number of graduate and post graduate level students in institute Q is:

Ans ✔ 1. 5116

     ✘ 2. 5216

     ✘ 3. 4116

     ✘ 4. 5126

Question ID : **6549787607**
Status : **Answered**
Chosen Option : **1**

Q.5 An article was sold at a loss of 24%. If it were sold for ₹1,596 more, then there would have been a gain of 18%. The cost price of the article is:

Ans ✘ 1. ₹3,600

     ✔ 2. ₹3,800

     ✘ 3. ₹3,400

     ✘ 4. ₹4,200

Question ID : **6549787592**
Status : **Answered**
Chosen Option : **2**

Q.6 The value of $18\frac{2}{11} \div \left[\frac{7}{33} + \left\{\frac{29}{6} - \frac{3}{11} \times \left(5\frac{1}{6} - 3\frac{1}{3}\right)\right\}\right]$ is:

Ans ✔ 1. 4

     ✘ 2. 2

     ✘ 3. 8

     ✘ 4. 5

Question ID : **6549787603**
Status : **Answered**
Chosen Option : **1**

Q.7 If $a + b = 24$ and $a^2 + b^2 = 306$, where $a > b$, then the value of $4a - 5b$ is:

Ans ✗ 1. 20

✔ 2. 15

✗ 3. 18

✗ 4. 12

Question ID : **6549787600**

Status : **Answered**

Chosen Option : **2**

Q.8 If $x - y = 4$ and $x^3 - y^3 = 316$, then the value of $x^4 + y^4$ is:

Ans ✗ 1. 2248

✗ 2. 2284

✔ 3. 2482

✗ 4. 2428

Question ID : **6549787601**

Status : **Answered**

Chosen Option : **3**

Q.9 How many spherical bullets, each bullet being 7 cm in diameter, can be made out of a cube of lead whose edge measures 77 cm?

(Take $\pi = \frac{22}{7}$)

Ans ✔ 1. 2541

✗ 2. 1452

✗ 3. 4521

✗ 4. 2451

Question ID : **6549787588**

Status : **Answered**

Chosen Option : **1**

Q.10 If $cos\theta = \frac{7}{3\sqrt{6}}$ and θ is an acute angle, then the value of $27 \, sin^2\theta - \frac{3}{2}$ is:

Ans ✗ 1. 15

✗ 2. 9

✗ 3. 12

✔ 4. 1

Question ID : **6549787604**

Status : **Answered**

Chosen Option : **4**

Q.11 What is the coefficient of y^2 in the expansion of $\left(\sqrt{2}y^2 - 5\sqrt{3}\right)^3$?

Ans

✗ 1. $-30\sqrt{3}$

✗ 2. $30\sqrt{3}$

✓ 3. $225\sqrt{2}$

✗ 4. $-225\sqrt{2}$

Question ID : **6549788407**

Status : **Answered**

Chosen Option : **4**

Q.12 For A = 30°, find the value of: $\dfrac{-3\sin^2 2A + 2\sec^2 A - \tan\frac{3A}{2}}{\frac{1}{3}\sin 3A}$

Ans

✓ 1. $-\dfrac{7}{4}$

✗ 2. $-\dfrac{7}{36}$

✗ 3. $\dfrac{11}{4}$

✗ 4. $\dfrac{57}{4}$

Question ID : **6549788413**

Status : **Answered**

Chosen Option : **4**

Q.13 An article is listed at ₹5,000 and two successive discounts of 12% and 12% are given on it. How much will the seller gain or lose if he gives a single discount of 24%?

Ans

✗ 1. Loss ₹64

✗ 2. Profit ₹72

✓ 3. Loss ₹72

✗ 4. Profit ₹64

Question ID : **6549787590**

Status : **Answered**

Chosen Option : **2**

Q.14 The numbers 2, 3, 4 and 5 occur (2 + 5k), (5k – 7), (2k – 3) and (k + 2) times, respectively. The average of the numbers is 2.85. Later on, the number 2 was replaced by 6 in all the places. What is the average of the new numbers?

Ans

✗ 1. 2.4

✗ 2. 4.75

✗ 3. 3.85

✓ 4. 5.25

Question ID : **6549788397**

Status : **Not Answered**

Chosen Option : **--**

Q.15 Sachin alone can complete a piece of work for ₹8,500 in $8\frac{1}{2}$ days. But with the help of Vishnu, the work is completed in 6 days. The share to be paid to Vishnu is:

Ans   ✔ 1. ₹2,500

   ✘ 2. ₹2,400

   ✘ 3. ₹2,000

   ✘ 4. ₹3,200

Question ID : **6549787586**

Status : **Answered**

Chosen Option : **2**

Q.16 Find the value of θ, if $sec^2\,\theta + \left(1 - \sqrt{3}\right)\tan\theta - \left(1 + \sqrt{3}\right) = 0$, where θ is an acute angle.

Ans   ✘ 1. 30°

   ✘ 2. 15°

   ✘ 3. 45°

   ✔ 4. 60°

Question ID : **6549787606**

Status : **Answered**

Chosen Option : **4**

Q.17 A number P is 20% more than a number Q but 10% less than a number R. What percentage is number Q of number R?

Ans   ✘ 1. 85

   ✔ 2. 75

   ✘ 3. 90

   ✘ 4. 80

Question ID : **6549788399**

Status : **Answered**

Chosen Option : **2**

Q.18 Krishan invested a sum of ₹25,000 in two parts. He earned 11% p.a. simple interest on part 1 and 10% p.a. compound interest compounded annually on part 2. If the total interest received by him after 2 years is ₹5,370, then find the sum invested on simple interest.

Ans   ✔ 1. ₹12,000

   ✘ 2. ₹12,500

   ✘ 3. ₹13,000

   ✘ 4. ₹11,000

Question ID : **6549788402**

Status : **Not Answered**

Chosen Option : **--**

Q.19 The in-radius and circumradius of a right-angled triangle is 3 cm and 12.5 cm, respectively. The area of the triangle is:

Ans ✔ 1. 84 cm^2

✘ 2. 88 cm^2

✘ 3. 48 cm^2

✘ 4. 64 cm^2

Question ID : **6549787598**

Status : **Not Answered**

Chosen Option : **--**

Q.20 In a triangle ABC, if BD and CD bisect $\angle B$ and $\angle C$, respectively, and $\angle A = 100°$, then find $\angle BDC$.

Ans ✘ 1. $110°$
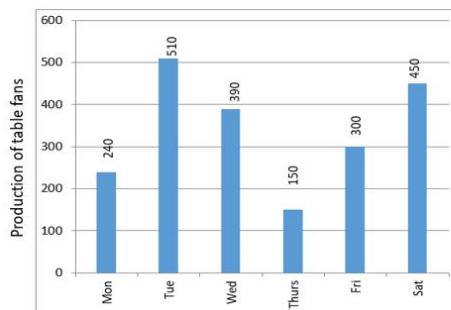
✘ 2. $130°$

✔ 3. $140°$

✘ 4. $100°$

Question ID : **6549788405**

Status : **Answered**

Chosen Option : **3**

Q.21 Study the given bar graph and answer the question that follows.

The bar graph shows the production of table fans in a factory during one week.

The average production of table fans on Friday and Saturday exceeds the average production of table fans during the week by:

Ans ✔ 1. 35

✘ 2. 40

✘ 3. 45

✘ 4. 30

Question ID : **6549787305**

Status : **Answered**

Chosen Option : **1**

Q.22 The distance between two equal parallel chords of a circle is 10 cm. If the chords are 24 cm long, then what is the length of the radius?

Ans
  ✗ 1. $2\sqrt{61}$ cm
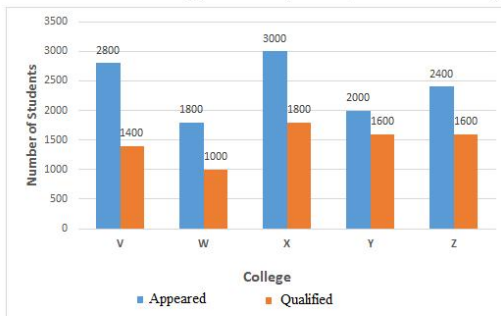
  ✓ 2. 13 cm

  ✗ 3. 26 cm

  ✗ 4. 17 cm

Question ID : **6549788403**

Status : **Answered**

Chosen Option : **2**

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

Number of students that appeared and qualified, from various colleges, at a scholarship examination.

What is the difference between the average number of students that appeared for the scholarship examination from all the given colleges, and the average number of students that qualified from all the colleges together?

Ans
  ✗ 1. 940

  ✓ 2. 920

  ✗ 3. 910

  ✗ 4. 930

Question ID : **6549788719**

Status : **Answered**

Chosen Option : **2**

Q.24 If a : b = 3 : 5, b : c = 7 : 8 and c : d = 2 : 3, then 2a : 3d is equal to:

Ans
 ✗ 1. 7 : 20

  ✗ 2. 1 : 2

  ✓ 3. 7 : 30

  ✗ 4. 7 : 15

Question ID : **6549788401**

Status : **Answered**

Chosen Option : **3**

Q.25 The number of students enrolled in different streams at Senior Secondary level in five schools is shown in the given bar graph.

The number of students enrolled in the Humanities stream in schools A, C and D is what percentage of the number of students enrolled in the Vocational stream in schools C, D and E?

Number of students in different streams in a year
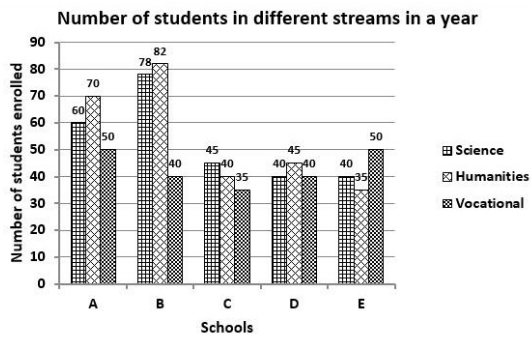
Ans

✗ 1. 80.64

✗ 2. 115

✔ 3. 124

✗ 4. 75

Question ID : **6549788418**

Status : **Answered**

Chosen Option : **3**

Section : **General Awareness**

Q.1 Which of the following Indian cities hosted the International Summit on Women in STEM (Science, Technology, Engineering and Mathematics) in January 2020?

Ans ✗ 1. Hyderabad

✗ 2. Pune

✔ 3. New Delhi

✗ 4. Lucknow

Question ID : **6549788424**

Status : **Not Answered**

Chosen Option : **--**

Q.2 Where is Kandariya Mahadev Temple situated?

Ans ✗ 1. Deogarh

✗ 2. Modhera

✗ 3. Aurangabad

✔ 4. Khajuraho

Question ID : **6549787614**

Status : **Not Answered**

Chosen Option : **--**

Q.3 How many Olympic Medals did India win in the sport of wrestling, as of January 2021?

Ans ✗ 1. Three

✗ 2. Four

✓ 3. Five

✗ 4. Two

> Question ID : **6549788443**
> Status : **Answered**
> Chosen Option : **3**

Q.4 In September 2020, who was appointed as the Chairman of National School of Drama?

Ans ✗ 1. Waman Kendre

✗ 2. Nawazuddin Siddiqui

✓ 3. Paresh Rawal

✗ 4. Anupam Kher

> Question ID : **6549787629**
> Status : **Answered**
> Chosen Option : **3**

Q.5 What is the minimum age to be an eligible voter for Lok Sabha elections?

Ans ✗ 1. 17 years

✓ 2. 18 years

✗ 3. 15 years

✗ 4. 16 years

> Question ID : **6549788439**
> Status : **Answered**
> Chosen Option : **2**

Q.6 Cuscuta is an example of:

Ans ✗ 1. saprotroph

✓ 2. parasite

✗ 3. autotroph

✗ 4. host

> Question ID : **6549788429**
> Status : **Not Answered**
> Chosen Option : **--**

Q.7 With which of the following sports is Murugappa Gold Cup associated?

Ans ✗ 1. Table tennis

✗ 2. Football

✗ 3. Cricket

✓ 4. Hockey

Question ID : **6549788441**

Status : **Not Answered**

Chosen Option : **--**

Q.8 In which state was the foundation stone for a water supply project laid down by Prime Minister Narendra Modi in July 2020?

Ans ✗ 1. Punjab

✗ 2. Uttar Pradesh

✗ 3. Telangana

✓ 4. Manipur

Question ID : **6549787617**

Status : **Answered**

Chosen Option : **1**

Q.9 The cause of Siderosis is excessive deposition of _____ in the body tissue.

Ans ✓ 1. iron

✗ 2. coal

✗ 3. aluminium

✗ 4. zinc

Question ID : **6549787620**

Status : **Not Answered**

Chosen Option : **--**

Q.10 Which of the following is the world's third-highest mountain that connects the borders of India and Nepal?

Ans ✗ 1. K2

✓ 2. Kanchenjunga

✗ 3. Nanga Parbat

✗ 4. Broad Peak

Question ID : **6549788434**

Status : **Answered**

Chosen Option : **2**

Q.11 Who among the following was conferred with the 'Best Actor' award at the Dadasaheb Phalke International Film Festival in February 2020?

Ans ✗ 1. Ranbir Kapoor

✔ 2. Hrithik Roshan

✗ 3. Amir Khan

✗ 4. Ranveer Singh

Question ID : **6549788438**

Status : **Answered**

Chosen Option : **4**

Q.12 How many storeys does Qutab Minar have in Delhi?

Ans ✗ 1. Eight

✗ 2. Six

✗ 3. Seven

✔ 4. Five

Question ID : **6549788421**

Status : **Not Answered**

Chosen Option : **--**

Q.13 In which year was the Marine Products Export Development Authority (MPEDA) established in India?

Ans ✔ 1. 1972

✗ 2. 1974

✗ 3. 1948

✗ 4. 1947

Question ID : **6549788426**

Status : **Not Answered**

Chosen Option : **--**

Q.14 Who among the following is the first Indian to be awarded with UN Military Gender Advocate Award in May 2020?

Ans ✗ 1. Shivangi Singh

✔ 2. Suman Gawani

✗ 3. Rani Rampal

✗ 4. Jyoti Sharma

Question ID : **6549788423**

Status : **Not Answered**

Chosen Option : **--**

Q.15 By which amendment of the Constitution of India were the terms 'socialist' and 'secular' added in the preamble?

Ans ✗ 1. Constitution (Forty-Fourth Amendment) Act, 1978

✗ 2. Constitution (Forty-First Amendment) Act, 1976

✓ 3. Constitution (Forty-Second Amendment) Act, 1976

✗ 4. Constitution (Forty-Third Amendment) Act, 1977

Question ID : **6549787632**

Status : **Answered**

Chosen Option : **3**

Q.16 Which of the following statements is correct?

Ans ✗ 1. In 1775, the Siraj ud-Daulah was defeated in the Battle of Plassey.

✓ 2. In 1793, the Cornwallis code was enacted.

✗ 3. In 1774, the Asiatic Society was founded by Sir Williams Jones.

✗ 4. In 1776, the first railway service began from Bombay to Thane.

Question ID : **6549787627**

Status : **Answered**

Chosen Option : **3**

Q.17 Which type of storage device is a hard disk?

Ans ✗ 1. Off-line

✗ 2. Tertiary

✓ 3. Secondary

✗ 4. Primary

Question ID : **6549788419**

Status : **Answered**

Chosen Option : **2**

Q.18 Who won the 10 m air rifle event at the fifth edition of the International Online Shooting Championship in October 2020?

Ans ✓ 1. Visnu Shivaraj Pandian

✗ 2. Manu Bhaker

✗ 3. Divyansh Singh Panwar

✗ 4. Rahi Sarnobat

Question ID : **6549787634**

Status : **Not Answered**

Chosen Option : **--**

Q.19 **In which of the following states is Sambhar Salt Lake situated?**

Ans ✗ 1. Punjab

✗ 2. Andhra Pradesh

✗ 3. Gujarat

✓ 4. Rajasthan

Question ID : **6549787624**

Status : **Answered**

Chosen Option : **2**

Q.20 **In the central budget 2020-21 the eligibility limit for NBFCs for debt recovery under the SARFAESI Act was proposed to be reduced to an asset size of:**

Ans ✗ 1. ₹300 crores

✗ 2. ₹400 crores

✗ 3. ₹200 crores

✓ 4. ₹100 crores

Question ID : **6549787619**

Status : **Not Answered**

Chosen Option : **--**

Q.21 **Lohit river is a tributary of:**

Ans ✗ 1. Ghaghara

✓ 2. Brahmaputra

✗ 3. Chambal

✗ 4. Yamuna

Question ID : **6549787623**

Status : **Not Answered**

Chosen Option : **--**

Q.22 **In which of the following states is the Bhadra Wildlife Sanctuary located?**

Ans ✗ 1. Gujarat

✗ 2. Bihar

✗ 3. West Bengal

✓ 4. Karnataka

Question ID : **6549788433**

Status : **Not Answered**

Chosen Option : **--**

Q.23 Who was the founder of the Mamluk dynasty in India?

Ans   ❌ 1. Razia Sultan

        ✅ 2. Qutb al-Din Aibak

        ❌ 3. Bakhtiyar Khilji

        ❌ 4. Iltutmish

> Question ID : **6549788436**
> Status : **Answered**
> Chosen Option : **2**

Q.24 What is the use of the functional key F7 in Microsoft Word 2010?

Ans   ✅ 1. It is used to run spell check and grammar check.

        ❌ 2. It is used for renaming files and folders.

        ❌ 3. It is used to open the Help window.

        ❌ 4. It is used as a search key.

> Question ID : **6549787612**
> Status : **Not Answered**
> Chosen Option : **--**

Q.25 Which of the following statements about bromine is correct?

Ans   ❌ 1. It is a solid at room temperature.

        ❌ 2. It is a gas at room temperature.

        ❌ 3. It is a metal.

        ✅ 4. It is a liquid at room temperature.

> Question ID : **6549787622**
> Status : **Answered**
> Chosen Option : **4**