Combined Higher Secondary Level Examination 2020 (Tier-I)

Roll Number	
Candidate Name	
Venue Name	
Exam Date	12/04/2021
Exam Time	3:00 PM - 4:00 PM
Subject	Combined Higher Secondary Level Exam 2020

Section : **English Language**

Q.1 **Select the most appropriate ANTONYM of the given word.**

Bias

Ans
- ✗ 1. Prejudice
- ✗ 2. Stage
- ✗ 3. Prestige
- ✔ 4. Fairness

Question ID : **6549787449**
Status : **Answered**
Chosen Option : **4**

Q.2 **Select the option that can be used as a one-word substitute for the given group of words.**

Someone who studies elections and voting statistics

Ans
- ✗ 1. Analyst
- ✗ 2. Mathematician
- ✗ 3. Psychologist
- ✔ 4. Psephologist

Question ID : **6549786344**
Status : **Answered**
Chosen Option : **4**

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

To be all ears

Ans
- ✗ 1. To be inquisitive and curious
- ✗ 2. To have extra-large ears
- ✔ 3. To be ready and eager to listen
- ✗ 4. To be impatient about something

Question ID : **6549786339**
Status : **Answered**
Chosen Option : **3**

Q.4 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The project is / tough and I / can't be able to / complete it by Monday.

Ans ✔ 1. can't be able to

✘ 2. tough and I

✘ 3. complete it by Monday

✘ 4. The project is

Question ID : **6549787437**

Status : **Answered**

Chosen Option : **1**

Q.5 Select the INCORRECTLY spelt word.

Ans ✘ 1. Procure

✔ 2. Destractsion

✘ 3. Provoke

✘ 4. Kindle

Question ID : **6549787452**

Status : **Answered**

Chosen Option : **2**

Q.6 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.

We will definitely win the match / this time because our team / has prepare well.

Ans ✘ 1. We will definitely win the match

✘ 2. No error

✘ 3. this time because our team

✔ 4. has prepare well

Question ID : **6549786325**

Status : **Answered**

Chosen Option : **4**

Q.7 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. The main activity of Palampur is farming and 80 families of the upper caste own the majority of land in Palampur.
B. Palampur village has around 450 families which belong to different castes and creeds.
C. The neighboring towns of the village are well connected and all-weather roads are also well connected.
D. There are other activities in Palampur like dairy, transport, small-scale manufacturing, etc. which also help run the economy in the village.

Ans ✔ 1. BADC

✘ 2. ABDC

✘ 3. CABD

✘ 4. CDAB

Question ID : **6549786333**

Status : **Answered**

Chosen Option : **1**

Q.8 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'.

Seldom do we find so many birds nesting during this season.

Ans ✔ 1. No substitution required

✘ 2. Seldom does we find

✘ 3. Seldom did we found

✘ 4. Seldom we do find

Question ID : **6549786336**

Status : **Answered**

Chosen Option : **3**

Q.9 Select the most appropriate ANTONYM of the given word.

Fritter

Ans ✔ 1. Hoard

✘ 2. Waste

✘ 3. Spoil

✘ 4. Spread

Question ID : **6549786337**

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

Chosen Option : **--**

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

This training programme for students will help the _____ understand the different methods of communication.

Ans ✗ 1. critics

✓ 2. participants

✗ 3. trainers

✗ 4. organizers

Question ID : **6549787459**

Status : **Answered**

Chosen Option : **2**

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

Bolster

Ans ✗ 1. Discourage

✓ 2. Strengthen

✗ 3. Weaken

✗ 4. Embolden

Question ID : **6549787457**

Status : **Answered**

Chosen Option : **2**

Q.12 Select the option that expresses the given sentence in the active or passive voice.

The central team visited eight villages in the state to assess the damage to the crops.

Ans ✗ 1. The damage to the crops was assessed in eight villages in the state by the central team.

✓ 2. Eight villages in the state were visited by the central team to assess the damage to the crops.

✗ 3. Eight villages had visited the central team to assess the damage to the crops.

✗ 4. The central team assessed the damage to the crops in eight villages in the state.

Question ID : **6549787434**

Status : **Answered**

Chosen Option : **2**

Q.13 Select the INCORRECTLY spelt word.

Ans ✗ 1. Cloistered

✓ 2. Creativety

✗ 3. Maligned

✗ 4. Donations

Question ID : **6549786342**

Status : **Answered**

Chosen Option : **2**

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 required'.

I cannot understand __that you__ are trying to say.

Ans ✗ 1. which you

✓ 2. what you

✗ 3. No substitution required

✗ 4. who you

Question ID : **6549787446**

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.

Doing something awkwardly or in a clumsy manner

Ans ✗ 1. Hastening

✗ 2. Faltering

✓ 3. Fumbling

✗ 4. Stumbling

Question ID : **6549787454**

Status : **Answered**

Chosen Option : **3**

Q.16 Select the most appropriate meaning of the idiomatic expression given.

Caught red-handed

Ans ✓ 1. Caught in the act of doing something illegal

✗ 2. Caught with a hand covered in blood

✗ 3. Caught by someone wearing a red wristband

✗ 4. Caught stealing red objects like apples and tomatoes

Question ID : **6549787451**

Status : **Answered**

Chosen Option : **1**

Q.17 Select the most appropriate synonym of the given word.

Random

Ans ✗ 1. Planned

✗ 2. Reasonable

✗ 3. Definite

✓ 4. Arbitrary

Question ID : **6549786345**

Status : **Answered**

Chosen Option : **4**

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. Understanding a printed text comes from the interaction between printed words and one's prior knowledge of the world.
B. Comprehension is the ability or process of understanding something that is spoken or written.
C. Listening comprehension, however, involves multiple processes in understanding and making sense of spoken language.
D. In active reading, readers think about their reading, and make connections and inferences.

Ans ✗ 1. BDCA

✗ 2. DACB

✗ 3. ADBC

✔ 4. BADC

Question ID : **6549787445**
Status : **Answered**
Chosen Option : **3**

Q.19 Select the option that expresses the given sentence in reported speech.

"Where did the children leave their record books?" the sports coach asked the class prefect.

Ans ✔ 1. The sports coach asked the class prefect where the children had left their record books.

✗ 2. The sports coach asked the class prefect where the children leave their record books.

✗ 3. The sports coach asked the class prefect where have the children left their record books.

✗ 4. The sports coach asked the class prefect where the children are leaving their record books.

Question ID : **6549786324**
Status : **Answered**
Chosen Option : **1**

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

Have you checked if we have _____ information about the location?

Ans ✗ 1. inadequate

✗ 2. profuse

✗ 3. insufficient

✔ 4. sufficient

Question ID : **6549786347**
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 19th century, there was an industrial revolution in Europe. As a result, millions of people left the (1) _____ and went to work in big factories in cities. Today, it is the reverse. In several major cities, people have started moving out. Why? They want a cleaner, (2) _____ environment. There are fewer jobs in 'heavy' industries like steel and power generation. (3) _____, there are more jobs in service industries like banking, tourism and food delivery. Besides, modern transport and communications have made it easier for people to (4) _____ to work or even work from home. The result of this revolution in the 21st century will be 'spread cities' – cities are growing fast, but (5) _____, away from city centres and people are choosing to live 40, 50 or 60 kilometres away.

SubQuestion No : 21

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

Ans   ✗ 1. countries

   ✗ 2. cities

   ✗ 3. factories

   ✔ 4. countryside

> Question ID : **6549787439**
> 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 19th century, there was an industrial revolution in Europe. As a result, millions of people left the (1) _____ and went to work in big factories in cities. Today, it is the reverse. In several major cities, people have started moving out. Why? They want a cleaner, (2) _____ environment. There are fewer jobs in 'heavy' industries like steel and power generation. (3) _____, there are more jobs in service industries like banking, tourism and food delivery. Besides, modern transport and communications have made it easier for people to (4) _____ to work or even work from home. The result of this revolution in the 21st century will be 'spread cities' – cities are growing fast, but (5) _____, away from city centres and people are choosing to live 40, 50 or 60 kilometres away.

SubQuestion No : 22

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

Ans   ✗ 1. brighter

   ✗ 2. darker

   ✔ 3. greener

   ✗ 4. worse

> Question ID : **6549787440**
> 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.

In the 19th century, there was an industrial revolution in Europe. As a result, millions of people left the (1) _____ and went to work in big factories in cities. Today, it is the reverse. In several major cities, people have started moving out. Why? They want a cleaner, (2) _____ environment. There are fewer jobs in 'heavy' industries like steel and power generation. (3) _____, there are more jobs in service industries like banking, tourism and food delivery. Besides, modern transport and communications have made it easier for people to (4) _____ to work or even work from home. The result of this revolution in the 21st century will be 'spread cities' – cities are growing fast, but (5) _____, away from city centres and people are choosing to live 40, 50 or 60 kilometres away.

SubQuestion No : 23

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

Ans   ✔ 1. Instead

✘ 2. Clearly

✘ 3. Nevertheless

✘ 4. Of course

Question ID : **6549787441**
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 19th century, there was an industrial revolution in Europe. As a result, millions of people left the (1) _____ and went to work in big factories in cities. Today, it is the reverse. In several major cities, people have started moving out. Why? They want a cleaner, (2) _____ environment. There are fewer jobs in 'heavy' industries like steel and power generation. (3) _____, there are more jobs in service industries like banking, tourism and food delivery. Besides, modern transport and communications have made it easier for people to (4) _____ to work or even work from home. The result of this revolution in the 21st century will be 'spread cities' – cities are growing fast, but (5) _____, away from city centres and people are choosing to live 40, 50 or 60 kilometres away.

SubQuestion No : 24

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

Ans   ✘ 1. calculate

✘ 2. compute

✘ 3. communicate

✔ 4. commute

Question ID : **6549787442**
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 19th century, there was an industrial revolution in Europe. As a result, millions of people left the (1) _____ and went to work in big factories in cities. Today, it is the reverse. In several major cities, people have started moving out. Why? They want a cleaner, (2) _____ environment. There are fewer jobs in 'heavy' industries like steel and power generation. (3) _____, there are more jobs in service industries like banking, tourism and food delivery. Besides, modern transport and communications have made it easier for people to (4) _____ to work or even work from home. The result of this revolution in the 21st century will be 'spread cities' – cities are growing fast, but (5) _____, away from city centres and people are choosing to live 40, 50 or 60 kilometres away.

SubQuestion No : 25

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

Ans ✗ 1. inwards

✗ 2. upwards

✔ 3. outwards

✗ 4. downwards

Question ID : **6549787443**
Status : **Answered**
Chosen Option : **3**

Section : **General Intelligence**

Q.1 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. 2704

✔ 2. 1948

✗ 3. 2116

✗ 4. 1936

Question ID : **6549786355**
Status : **Answered**
Chosen Option : **2**

Q.2 How many rectangles are there in the given figure?

Ans ✗ 1. 27

✗ 2. 33

✔ 3. 30

✗ 4. 29

Question ID : **6549786369**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.3 Select the correct option that indicates the arrangement of the given words in a logical and meaningful order.

1. Armlet
2. Belt
3. Ascot
4. Socks
5. Turban

Ans ✗ 1. 3-5-1-4-2

✗ 2. 1-2-5-3-4

✔ 3. 5-3-1-2-4

✗ 4. 3-2-1-5-4

Question ID : **6549786356**

Status : **Answered**

Chosen Option : **3**

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

173 : 125 : 85

Ans ✔ 1. 365 : 293 : 229

✗ 2. 285 : 221 : 135

✗ 3. 259 : 199 : 147

✗ 4. 293 : 228 : 171

Question ID : **6549786353**

Status : **Answered**

Chosen Option : **3**

Q.5 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

_ S _ E _ S Z _ F S _ E

Ans ✗ 1. F E S Z E

✗ 2. Z F S E Z

✔ 3. F Z F E Z

✗ 4. F S E Z F

Question ID : **6549789777**

Status : **Answered**

Chosen Option : **3**

Q.6 तीन मित्रों अमन, ईशान और अनीश के पास क्रमश: 12, 16 और 3 सेब हैं। यदि अमन, ईशान को अनीश के पास मौजूद सेबों के दोगुने सेब देता है और अनीश को 4 सेब देता है, तो अमन के पास कितने सेब बचते हैं?

Ans ✘ 1. 3

✘ 2. 5

✘ 3. 4

✔ 4. 2

Question ID : **6549786349**

Status : **Answered**

Chosen Option : **4**

Q.7 Select the number from among the given options that can replace the question mark (?) in the following series.

56, 56, 54, 162, 158, ?

Ans ✔ 1. 790

✘ 2. 830

✘ 3. 268

✘ 4. 456

Question ID : **6549787465**

Status : **Marked For Review**

Chosen Option : **2**

Q.8 Select the option that is related to the third word in the same way as the second word is related to the first word.

Googley : Cricket :: Gambit : ?

Ans ✘ 1. Basketball

✘ 2. Football

✘ 3. Cycling

✔ 4. Chess

Question ID : **6549787471**

Status : **Answered**

Chosen Option : **1**

Q.9 चार शब्द दिए गए हैं, जिनमें से तीन एक निश्चित प्रकार से समान हैं, जबकि एक उनसे असंगत है। उस असंगत शब्द का चयन कीजिए।

Ans ✔ 1. कवक विज्ञान

✘ 2. त्वचा विज्ञान

✘ 3. वृक्क विज्ञान

✘ 4. हृदय रोग विज्ञान

Question ID : **6549787476**

Status : **Answered**

Chosen Option : **1**

Q.10 Select the option that is related to the third term in the same way as the second term is related to the first term.

TAMPO : SCJTJ :: FIFTY : ?

Ans   ✖ 1. EKCYS

  ✖ 2. EKDXU

  ✔ 3. EKCXT

  ✖ 4. ELBXT

Question ID : **6549787470**

Status : **Answered**

Chosen Option : **3**

Q.11 Select the option that is embedded in the given figure (rotation is NOT allowed).

Ans

✖ 1.

✔ 2.

✖ 3.

✖ 4.
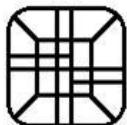
Question ID : **6549787481**

Status : **Answered**

Chosen Option : **4**

Q.12 In a certain code language, NAMELY is coded as 74 and MANAGE is coded as 45. How will MUSHER be coded in that language?

Ans   ✔ 1. 88

  ✖ 2. 72

  ✖ 3. 80

  ✖ 4. 68

Question ID : **6549786358**

Status : **Answered**

Chosen Option : **1**

Q.13 Manyak is the son of Aravind. Manyak and Kashyap are brothers. Durga is the mother of Kashyap. Sanhit is the brother of Aravind. Hruday is the son of Sanhit. How is Hruday related to Kashyap?

Ans
✗ 1. Son-in-law

✔ 2. Cousin

✗ 3. Son

✗ 4. Uncle

Q.14 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

Ans
✗ 1.

✗ 2.

✔ 3.

✗ 4.

Q.15 Which two numbers should be interchanged to make the given equation correct?

25 × 7 + 20 − 40 ÷ 4 = 210

Ans
✗ 1. 20 and 7

✗ 2. 25 and 20

✔ 3. 20 and 40

✗ 4. 40 and 25

Q.16 Select the Venn diagram that best represents the relationship between the following classes.

Flowers, White, Cloths

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.
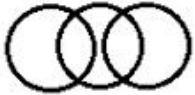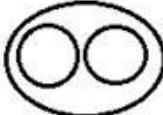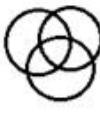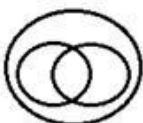
Q.17 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.
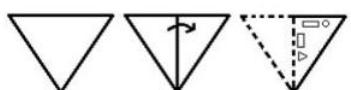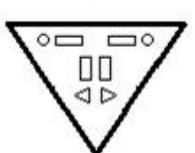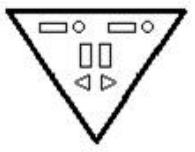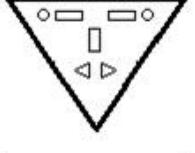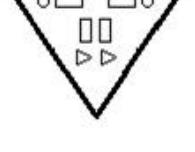
Q.18 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

93 : 87

Ans ✗ 1. 96 : 92

✗ 2. 64 : 61

✔ 3. 58 : 55

✗ 4. 49 : 53

Q.19 Three different positions of the same dice are shown. Select the number that will be on the face opposite to the face having the number 1.

Ans ✗ 1. 2

✗ 2. 3

✔ 3. 4

✗ 4. 6

Q.20 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 insects are animals.
Some animals are frogs.
All frogs are cats.

Conclusions:
I. Some cats are frogs.
II. Some frogs are animals.
III. Some animals are insects.

Ans ✗ 1. Only conclusions II and III follow

✔ 2. All conclusions follow

✗ 3. Only conclusions I and III follow

✗ 4. Only conclusions I and II follow

Q.21 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. JNRV

✗ 2. FKOR

✗ 3. RWAD

✗ 4. LQUX

Question ID : **6549786364**

Status : **Answered**

Chosen Option : **1**

Q.22 In a certain code language, 'PENCIL' is written as 'CEILNP' and 'FROST' is written as 'FORST'. How will 'DUSTBIN' be written in that language?

Ans ✗ 1. BDNISTU

✗ 2. BDINSUT

✓ 3. BDINSTU

✗ 4. DIBNSTU

Question ID : **6549787468**

Status : **Marked For Review**

Chosen Option : **3**

Q.23 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(4, 25, 105)

Ans ✓ 1. (14, 50, 180)

✗ 2. (26, 52, 275)

✗ 3. (34, 52, 166)

✗ 4. (12, 22, 87)

Question ID : **6549787463**

Status : **Answered**

Chosen Option : **1**

Q.24 Select the option in which the words share the same relationship as that shared by the given pair of words.

Papaya : Vitamin C

Ans ✗ 1. Carrot : Vitamin B

✗ 2. Apple : Vitamin D

✓ 3. Gooseberry : Vitamin C

✗ 4. Guava : Vitamin A

Question ID : **6549786363**

Status : **Answered**

Chosen Option : **1**

Q.25 Select the figure from among the given options that can replace the question mark (?) in the following series.

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.
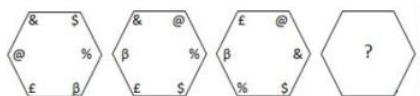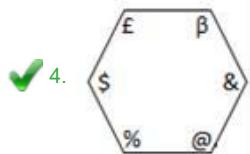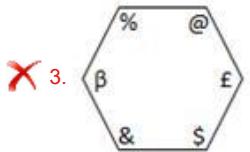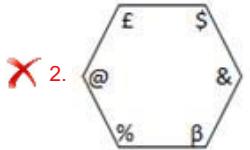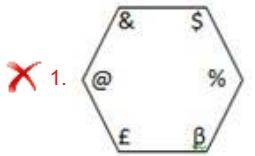
Question ID : **6549786368**
Status : **Answered**
Chosen Option : **2**

Section : **Quantitative Aptitude**

Q.1 The profit earned after selling an article for ₹8,579 is the same as the loss incurred after selling the article for ₹6,341.
The profit percentage is:

Ans

✔ 1. 15%

✗ 2. 12%

✗ 3. 18%

✗ 4. 20%

Question ID : **6549787491**
Status : **Answered**
Chosen Option : **1**

Q.2 ΔPQR is an isosceles triangle with PQ = PR = 25 cm. If PS is the median on QR from P such that PS = 7 cm, then the length of QR is:

Ans ✓ 1. 48 cm

✗ 2. 42 cm

✗ 3. 45 cm

✗ 4. 38 cm

Question ID : **6549786385**
Status : **Answered**
Chosen Option : **1**

Q.3 Let O be the centre of a circle. PA and PB are tangents to the circle from a point P outside the circle and A and B are points on the circle. If angle APB = 50°, then angle OAB is equal to:

Ans ✓ 1. 25°

✗ 2. 20°

✗ 3. 40°

✗ 4. 50°

Question ID : **6549786383**
Status : **Answered**
Chosen Option : **4**

**Q.4** If a nine-digit number 1263487xy is divisible by both 8 and 5, then the greatest possible values of x and y, respectively, are:

Ans ✗ 1. 6 and 5

✗ 2. 2 and 0

✓ 3. 6 and 0

✗ 4. 2 and 5

Question ID : **6549786390**
Status : **Answered**
Chosen Option : **3**

Q.5 Study the given bar chart and answer the question that follows.

The bar chart shows the production of medicines by a company (in 1000 tonnes) over six years 2010 to 2015.
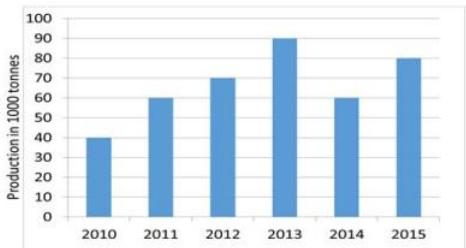
If in each of the following years, the percentage increase in production as compared to the previous year is taken, then the ratio for increase production of the year 2011 to increase production of year 2015 is:

Ans
1. $1:2$ ✗
2. $2:3$ ✗
3. $3:2$ ✔
4. $2:1$ ✗

Question ID : **6549786398**
Status : **Answered**
Chosen Option : **3**

Q.6 $2\cos\theta + \sec\theta - 2\sqrt{2} = 0$, where θ is an acute angle. Find the value of θ.

Ans
1. $30°$ ✗
2. $15°$ ✗
3. $60°$ ✗
4. $45°$ ✔

Question ID : **6549787505**
Status : **Answered**
Chosen Option : **4**

Q.7 Raghav spends 80% of his income. If his income increases by 12% and his expenditure increases by 17.5%, then what is the percentage decrease in his savings?

Ans
1. 12% ✗
2. 10% ✔
3. 8% ✗
4. 15% ✗

Question ID : **6549786379**
Status : **Answered**
Chosen Option : **2**

Q.8 Three numbers are in the ratio $\frac{1}{4} : \frac{5}{9} : \frac{7}{12}$. The difference between the greatest and the smallest number is 180. Find the sum of all the three numbers.

Ans ✗ 1. 650

✗ 2. 800

✗ 3. 500

✔ 4. 750

Q.9 The sum of the radius of the base and the height of a closed solid cylinder is 12.5 cm. If the total surface area of the cylinder is 275 cm^2, then its radius is:

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

Ans ✔ 1. 3.5 cm

✗ 2. 3 cm

✗ 3. 7 cm

✗ 4. 5 cm

Q.10 The simple interest on a certain sum for 3 years at 12% p.a. is ₹6,750. What is the compound interest (in ₹) on the same sum for 2 years at 20% p.a., if interest is compounded half-yearly? (rounded off to the nearest ₹)

Ans ✗ 1. 8,000

✔ 2. 8,702

✗ 3. 6,750

✗ 4. 7,729

Q.11 Two circles touch internally. Their diameters are, respectively, 8 cm and 4 cm. What is the distance (in cm) between their centres?

Ans ✗ 1. 3

✔ 2. 2

✗ 3. 4

✗ 4. 1

Q.12 If a and b are the lengths of two sides of a triangle such that the product ab = 24, where a and b are integers, then how many such triangles are possible?

Ans ✗ 1. 18

✗ 2. 16

✗ 3. 12

✔ 4. 15

Q.13 The marked price of an article is ₹1,280. If a shopkeeper sold the article at 12% profit after giving 30% discount, then the cost price of the article is:

Ans ✗ 1. ₹700

✔ 2. ₹800

✗ 3. ₹600

✗ 4. ₹850

Q.14

The value of $7\frac{4}{13} \div \frac{5}{26}$ of $\left(4\frac{3}{5}+7\frac{2}{5}\right)+\left(7\frac{1}{6}-2\frac{1}{3}\right)$ is:

Ans ✗ 1. 5

✗ 2. 6

✔ 3. 8

✗ 4. 4

Q.15

If $x^2 - 3x + 1 = 0$, then the value of $2\left(x^8 + \frac{1}{x^8}\right) - 5\left(x^2 + \frac{1}{x^2}\right)$ is:

Ans ✔ 1. 4379

✗ 2. 4279

✗ 3. 3479

✗ 4. 4370

Q.16 The average monthly expenditure of a family was ₹18,600 during the first three months, ₹21,750 during the next four months and ₹22,840 during the last five months of a year. If the total savings during the year was ₹1,43,020, then the average monthly income (in ₹) of the family was:

Ans ✗ 1. 32,225

✗ 2. 34,115

✗ 3. 35,333

✔ 4. 33,335

Q.17 Study the following bar graph and answer the question that follows.

In how many years was the export more than the average for the given period?

Ans ✗ 1. 6

✔ 2. 4

✗ 3. 5

✗ 4. 3

Q.18 In △ ABC, if ∠B = 90°, AB = 21 cm and BC = 20 cm, then $\frac{1+sinA-cosA}{1+sinA+cosA}$ is equal to:

Ans

✗ 1. $-\frac{3}{5}$

✔ 2. $\frac{2}{5}$

✗ 3. $-\frac{2}{5}$

✗ 4. $\frac{3}{5}$

Q.19 If $sec\theta = \frac{65}{63}$ and θ is an acute angle, then the value of $8(cosec\theta - cot\theta)$ is:

Ans

✔ 1. 1

✗ 2. 4

✗ 3. 2

✗ 4. 8

Q.20 Working together, A, B and C can finish a piece of work in 3 hours. A finishes the same work in 8 hours and B finishes it in 6 hours. How long will it take for C alone to finish the same work?

Ans

✔ 1. 24 hours

✗ 2. 15 hours

✗ 3. 12 hours

✗ 4. 18 hours

Q.21 एक परीक्षा में छात्रों द्वारा प्राप्त किए गए अंकों को दिखाने वाले आयतचित्र का अध्ययन करें और उसके बाद दिये गए प्रश्न का उत्तर दें।
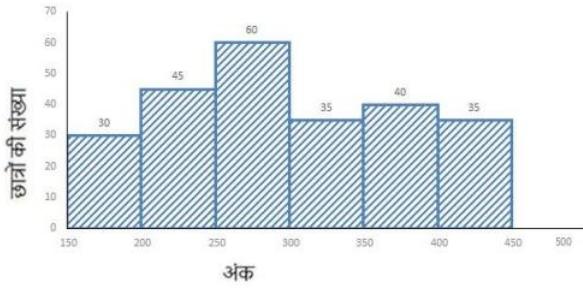
350 या अधिक अंक प्राप्त करने वाले छात्रों की संख्या की तुलना में 200 और 300 के बीच अंक प्राप्त करने वाले छात्रों की संख्या कितने प्रतिशत अधिक है?

Ans

  ✗ 1. **55%**

  ✔ 2. **40%**

  ✗ 3. **30%**

  ✗ 4. **25%**

Q.22 If $x - y - z = 0$, then the value of $(x^2 + y^2 + z^2) \div (y^2 + xz)$ is:

Ans

  ✗ 1. -2

  ✔ 2. 2

  ✗ 3. 1

  ✗ 4. -1

Q.23 The given bar graph indicates the production of sugar (in lakh tonnes) by three different sugar companies P, Q and R from the year 2015 to 2019. Study the bar graph and answer the question that follows.

Production of sugar by companies P, Q and R from 2015 to 2019
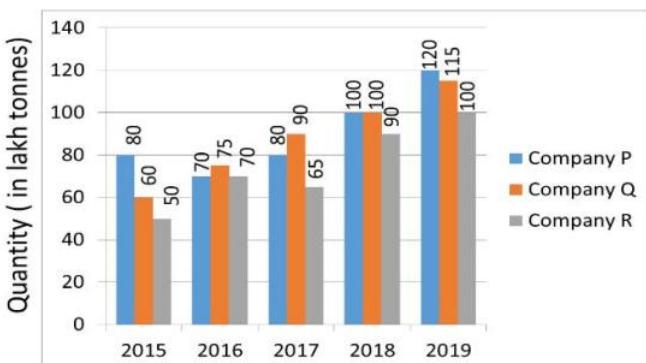
The percentage increase in the production of sugar by company P in 2019 as compared to 2015 is:

Ans
✓ 1. 50%
✗ 2. 45%
✗ 3. 40%
✗ 4. 60%

Q.24 A truck covers a distance of 480 km at a certain speed. If the speed is decreased by 8 km/h, it would have taken 2 hours more to cover the same distance. 50% of its original speed (in km/h) is:

Ans
✗ 1. 20
✗ 2. 40
✗ 3. 48
✓ 4. 24

Q.25 If $x^4 + \dfrac{1}{x^4} = 6887$, then the positive value of $x - \dfrac{1}{x}$ is:

Ans
✗ 1. 12
✗ 2. 15
✗ 3. 8
✓ 4. 9

Section : **General Awareness**

Q.1 When was the Federation of Indian Chambers of Commerce and Industry (FICCI) established in India?

Ans
- ✗ 1. 1952
- ✗ 2. 1948
- ✗ 3. 1939
- ✔ 4. 1927

Question ID : **6549786406**

Status : **Not Answered**

Chosen Option : **--**

Q.2 How many monasteries and temples are there in Ellora caves?

Ans
- ✔ 1. 34
- ✗ 2. 32
- ✗ 3. 33
- ✗ 4. 31

Question ID : **6549787513**

Status : **Answered**

Chosen Option : **2**

Q.3 Which was the first Indian institution to receive the United Nations Population Award for 2020?

Ans
- ✗ 1. Kutumb Foundation
- ✗ 2. Child Rights and You
- ✗ 3. Childline India
- ✔ 4. HelpAge India

Question ID : **6549786418**

Status : **Answered**

Chosen Option : **3**

Q.4 Phodong Monastery is located in _____.

Ans
- ✔ 1. Sikkim
- ✗ 2. Bihar
- ✗ 3. Madhya Pradesh
- ✗ 4. Ladakh

Question ID : **6549786401**

Status : **Answered**

Chosen Option : **1**

Q.5 _____ was the Mughal emperor during the revolt of 1857.

Ans
✗ 1. Akbar II

✗ 2. Shah Alam II

✓ 3. Bahadur Shah II

✗ 4. Bahadur Shah I

Question ID : **6549787526**

Status : **Answered**

Chosen Option : **4**

Q.6 Which of the following state governments launched the 'Digital Seva Setu Programme' for rural areas in October 2020?

Ans
✗ 1. Maharashtra

✗ 2. Bihar

✓ 3. Gujarat

✗ 4. Uttar Pradesh

Question ID : **6549786403**

Status : **Not Answered**

Chosen Option : **--**

Q.7 Which of the following is the output device of a computer?

Ans
✓ 1. Plotter

✗ 2. Pen drive

✗ 3. Joystick

✗ 4. Scanner

Question ID : **6549786399**

Status : **Answered**

Chosen Option : **1**

Q.8 Which of the following states leads in sunflower cultivation?

Ans
✓ 1. Karnataka

✗ 2. Rajasthan

✗ 3. Punjab

✗ 4. Uttar Pradesh

Question ID : **6549786413**

Status : **Answered**

Chosen Option : **1**

Q.9 In 1959, the Central Government of India undertook the governance in Kerala under _____ of the Constitution of India.

Ans ✓ 1. Article 356

✗ 2. Article 352

✗ 3. Article 360

✗ 4. Article 349

Question ID : **6549786419**

Status : **Answered**

Chosen Option : **4**

Q.10 A file with the _____ file extension is a Word Open XML Macro-Enabled Document file.

Ans ✓ 1. .docm

✗ 2. .docx

✗ 3. .org

✗ 4. .pdf

Question ID : **6549787511**

Status : **Answered**

Chosen Option : **1**

Q.11 In August 2020, who was promoted to ICC's international panel of umpires?

Ans ✗ 1. Kumar Dharmasena

✓ 2. KN Ananthapadmanabhan

✗ 3. Sundaram Ravi

✗ 4. Anil Chaudhary

Question ID : **6549787533**

Status : **Answered**

Chosen Option : **2**

Q.12 Which of the following organisations awards the Nobel Memorial Prize in Economic Sciences?

Ans ✗ 1. Swedish Academy

✗ 2. Karolinska Institute

✗ 3. Norwegian Nobel Committee

✓ 4. The Royal Swedish Academy of Sciences

Question ID : **6549787528**

Status : **Not Answered**

Chosen Option : **--**

Q.13 _____ was the first person who discovered cells.

Ans ✓ 1. Robert Hooke

✗ 2. Francis Crick

✗ 3. Alexander Fleming

✗ 4. Ernest Rutherford

Question ID : **6549787519**

Status : **Answered**

Chosen Option : **1**

Q.14 Which of the following formulas related to monetary and liquidity aggregates is NOT correct?

Ans ✗ 1. M1 = Currency (notes + coins) + Demand deposits

✗ 2. M4 = M3 + Total deposits with post office savings organisations (excluding national savings certificates)

✗ 3. M2 = M1 + Savings deposits with post office savings banks

✓ 4. M3 = M1 + Net time deposits of post office savings

Question ID : **6549787518**

Status : **Not Answered**

Chosen Option : **--**

Q.15 What is the tenure of the chairman of the State Public Service Commission?

Ans ✗ 1. 6 years or the age of 60 years, whichever is earlier

✗ 2. 5 years or the age of 60 years, whichever is earlier

✗ 3. 5 years or the age of 65 years, whichever is earlier

✓ 4. 6 years or the age of 62 years, whichever is earlier

Question ID : **6549787531**

Status : **Answered**

Chosen Option : **4**

Q.16 Which of the following waterfalls is located in Jharkhand?

Ans ✗ 1. Jog waterfalls

✗ 2. Chulia waterfall

✗ 3. Dudhsagar waterfall

✓ 4. Hundru waterfall

Question ID : **6549787523**

Status : **Answered**

Chosen Option : **4**

Q.17 Manitombi Singh was a _____ player from Manipur.

Ans ✗ 1. cricket

✓ 2. football

✗ 3. volleyball

✗ 4. hockey

Question ID : **6549786421**

Status : **Answered**

Chosen Option : **2**

Q.18 Sardar Sarovar Dam is situated in the state of _____ and on the river _____.

Ans ✓ 1. Gujarat, Narmada

✗ 2. Maharashtra, Krishna

✗ 3. Uttar Pradesh, Ganga

✗ 4. Rajasthan, Chambal

Question ID : **6549787522**

Status : **Answered**

Chosen Option : **1**

Q.19 Leprosy is caused by a bacterium called:

Ans ✓ 1. Mycobacterium leprae

✗ 2. Neisseria gonorrhoeae

✗ 3. Mycobacterium tuberculosis

✗ 4. Haemophilus pertussis

Question ID : **6549787521**

Status : **Answered**

Chosen Option : **1**

Q.20 A large area of land demarcated as Damin-i-Koh in 1832 was declared as the land of the _____.

Ans ✓ 1. Santhals

✗ 2. Murias

✗ 3. Warlis

✗ 4. Paharias

Question ID : **6549786416**

Status : **Not Answered**

Chosen Option : **--**

Q.21 Which of the following institutes got the first rank in the Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2020 in the category of 'Institute of National Importance'?

Ans ✔ 1. Indian Institute of Technology Madras

✘ 2. Indian Institute of Technology Kanpur

✘ 3. Indian Institute of Technology Delhi

✘ 4. Indian Institute of Technology Mumbai

Question ID : **6549787516**
Status : **Answered**
Chosen Option : **1**

Q.22 Enzyme linked immuno-sorbent assay is a technique used in detection of which of the following diseases?

Ans ✔ 1. Acquired immunodeficiency syndrome (AIDS)

✘ 2. Kidney cancer

✘ 3. Malaria

✘ 4. Rheumatoid arthritis

Question ID : **6549786409**
Status : **Answered**
Chosen Option : **1**

Q.23 Which is the largest of the following Duns with an approximate length of 35-45 km and a width of 22-25 km?

Ans ✘ 1. Kota Dun

✘ 2. Nalagarh Dun

✘ 3. Harike Dun

✔ 4. Dehra Dun

Question ID : **6549786414**
Status : **Answered**
Chosen Option : **4**

Q.24 India's first 'Fire Park' was set up at _____ in January 2021.

Ans ✘ 1. Kolkata

✘ 2. Bhopal

✔ 3. Bhubaneswar

✘ 4. Hyderabad

Question ID : **6549786404**
Status : **Not Answered**
Chosen Option : **--**

Q.25 Who among the following persons secured the fourth position in the Dhaka Marathon 2021?

Ans ✖ 1. Angela Jim Asunde

✖ 2. Dutee Chand

✔ 3. Jigmet Dolma

✖ 4. Pushpa Bhandari

Question ID : **6549786423**

Status : **Not Answered**

Chosen Option : **--**