Selection Post Phase IX 2021 Higher Secondary level

Roll Number	
Candidate Name	
Venue Name	
Exam Date	10/02/2022
Exam Time	12:00 PM - 1:00 PM
Subject	Selection Post Higher Secondary Level

Section : **General Intelligence**

Q.1 **'A = B' means 'A is the father of B'**
'A + B' means 'A is the sister of B'
'A @ B' means 'A is the wife of B'
If 'Z @ T = V + K', then how is Z related to K?

Ans ✗ 1. Daughter

✗ 2. Maternal aunt

✔ 3. Mother

✗ 4. Mother-in-law

Question ID : **65497839871**
Status : **Answered**
Chosen Option : **3**

Q.2 Select the figure from among the given options that can replace the question mark (?) in the following series.
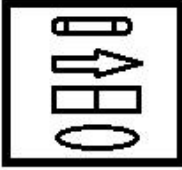

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Question ID : **65497840082**

Status : **Answered**

Chosen Option : **3**

Q.3 Select the option in which the given figure is embedded (rotation is NOT allowed).

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Q.4 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. GLQV

✔ 2. WBEL

✗ 3. EJOT

✗ 4. CHMR

Q.5 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:
All snakes are crocodiles.
All crocodiles are turtles.
All birds are crocodiles.

Conclusions:
I. All snakes are turtles.
II. All birds are turtles.
III. Some snakes are birds.

Ans ✗ 1. None of the conclusions follows

✔ 2. Only conclusion I and II follow

✗ 3. Only conclusions II and III follow

✗ 4. Only conclusion I follows

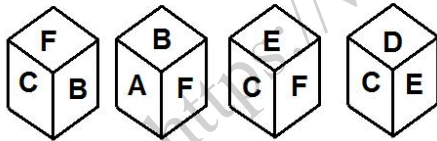Question ID : **65497840077**
Status : **Answered**
Chosen Option : **2**

Q.6 Select the number from among the given options that can replace the question mark (?) in the following series.

12, 23, 35, 48, 62, ?

Ans ✔ 1. 77

✗ 2. 87

✗ 3. 72

✗ 4. 92

Question ID : **65497840079**
Status : **Answered**
Chosen Option : **1**

Q.7 Four different positions of the same dice are shown, the six faces of which are indicated by A, B, C, D, E and F. Select the letter that will be on the face opposite to the face showing 'D'.

Ans ✗ 1. E

✗ 2. B

✔ 3. F

✗ 4. A

Question ID : **65497839879**
Status : **Answered**
Chosen Option : **3**

Q.8 In a certain code language, 'FRAMES' is written as 'HTCPHV'. How will 'CLOSED' be written in that language?

Ans ✗ 1. EMRVHF

✗ 2. ENQXHH

✓ 3. ENQVHG

✗ 4. ENRVGG

Question ID : **65497839763**
Status : **Answered**
Chosen Option : **3**

Q.9 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.
1. Player
2. Plaster
3. Placard
4. Planner
5. Pleader

Ans ✗ 1. 4, 3, 2, 1, 5

✗ 2. 5, 4, 2, 1, 3

✗ 3. 2, 4, 3, 1, 5

✓ 4. 3, 4, 2, 1, 5

Question ID : **65497840064**
Status : **Answered**
Chosen Option : **4**

Q.10 Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Europe
2. Madrid
3. World
4. Spain
5. Universe

Ans ✗ 1. 5, 4, 1, 2, 3

✗ 2. 4, 2, 1, 3, 5

✓ 3. 2, 4, 1, 3, 5

✗ 4. 2, 4, 3, 1, 5

Question ID : **65497839859**
Status : **Answered**
Chosen Option : **3**

Q.11 Select the option that is related to the third term in the same way as the second term is related to the first term.

DERIVE : FWJSFE : : COASTS : ?

Ans ✗ 1. TURZND

✗ 2. TYUCPE

✓ 3. TUTBPD

✗ 4. UTUBPD

Question ID : **65497840061**
Status : **Not Answered**
Chosen Option : **--**

Q.12 Select the option that is related to the third term in the same way as the second term is related to the first term.

PLANNED : O J X J I Y W : : CAMPHOR : ?

Ans ✔ 1. B Y J L C I K

❌ 2. B Y J L D I L

❌ 3. B Y J L B H K

❌ 4. B Y J M C J K

Question ID : **65497839858**

Status : **Answered**

Chosen Option : **1**

Q.13 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

S T _ _ S _ M Z _ T M Z S _ _ Z

Ans ❌ 1. T S T S Z M

❌ 2. M T S Z T M

✔ 3. M Z T S T M

❌ 4. M Z T S Z M

Question ID : **65497839868**

Status : **Answered**

Chosen Option : **3**

Q.14 In a certain code language, 'NOISY' is coded as '53', and 'TONE' is coded as '54'. How will 'FORM' be coded in that language?

Ans ❌ 1. 72

✔ 2. 56

❌ 3. 69

❌ 4. 50

Question ID : **65497839866**

Status : **Answered**

Chosen Option : **2**

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

17 – 42 + 34 ÷ 2 × 27 = 274

Ans ❌ 1. 34 and 17

✔ 2. 17 and 27

❌ 3. 42 and 34

❌ 4. 42 and 27

Question ID : **65497839775**

Status : **Answered**

Chosen Option : **2**

Q.16 Select the number from among the given options that can replace the question mark (?) in the following series.

15, 15, 17, 51, 55, ?

Ans ✗ 1. 215

✗ 2. 250

✗ 3. 285

✓ 4. 275

Q.17 Prachi, Sam, Yukti, Mohana and Charvi are sitting in a straight line facing the north. Prachi is to the immediate right of Yukti. Sam is third to the right of Mohana. Charvi is second to the right of Prachi. Who is sitting to the immediate right of Sam?

Ans ✓ 1. Charvi

✗ 2. Mohana

✗ 3. Prachi

✗ 4. Yukti

Q.18 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:
All baskets are fruits.
Some fruits are utensils.

Conclusions:
I. Some utensils are baskets.
II. Some utensils are fruits.

Ans ✗ 1. Either conclusion I or II follows

✓ 2. Only conclusion II follows

✗ 3. Only conclusion I follows

✗ 4. Both conclusions I and II follow

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

g h _ y _ t _ h k _ q t _ _ k _ q t

Ans ✗ 1. k y g q g h y

✗ 2. k q g y y h y

✓ 3. k q g y g h y

✗ 4. y q g k g h g

Q.20 Select the option that is related to the third word in the same way as the second word is related to the first word.

Cease : Begin : : Scarce : ?

Ans   ✔ 1. Abundant

     ✘ 2. Crooked

     ✘ 3. Industrious

     ✘ 4. Lazy

Question ID : **65497839760**
Status : **Answered**
Chosen Option : **1**

Q.21 Select the option that is related to the third word in the same way as the second word is related to the first word.

Fragile : Delicate : : Tenacity : ?

Ans   ✔ 1. Persistence

     ✘ 2. Futile

     ✘ 3. Furious

     ✘ 4. Emotional

Question ID : **65497839861**
Status : **Answered**
Chosen Option : **1**

Q.22 Select the option that is related to the third number in the same way as second number is related to the first number and the sixth number is related to the fifth number.

4 : 67 : : 5 : ? : : 2 : 11

Ans   ✔ 1. 128

     ✘ 2. 58

     ✘ 3. 44

     ✘ 4. 30

Question ID : **65497839876**
Status : **Answered**
Chosen Option : **1**

Q.23 Pointing towards Savitri, Kartik said, "She is the sister of my brother's mother's son." How is Savitri related to Kartik?

Ans   ✘ 1. Daughter

     ✔ 2. Sister

     ✘ 3. Niece

     ✘ 4. Mother

Question ID : **65497839768**
Status : **Answered**
Chosen Option : **2**

Q.24 Select the correct mirror image of the given combination when the mirror is placed at line 'PQ' as shown.

Ftg5aN

Ans X 1. [mirror image]

✓ 2. [mirror image]

X 3. [mirror image]

X 4. [mirror image]

Q.25 Pranita, Subhash, Kamini, Ved, Yamini and Satya are sitting in a straight line facing the north. Ved is second to the left of Yamini. Pranita is to the immediate right of Kamini. Only Yamini is between Kamini and Satya. Subhash is to the immediate left of Ved. Who is sitting to the immediate right of Ved?

Ans X 1. Subhash

X 2. Pranita

X 3. Yamini

✓ 4. Satya

Section : **English Language**

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

I have been living in Delhi _____ April 1995.

Ans ✓ 1. since

X 2. with

X 3. for

X 4. through

Q.2 Select the option that expresses the given sentence in passive voice.

They opened the gates to the theatre at 6 pm sharp.

Ans ✓ 1. The gates to the theatre were opened by them at 6 pm sharp.

X 2. The gates to the theatre had been opened by them at 6 pm sharp.

X 3. The gates to the theatre were kept open by them at 6 pm sharp.

X 4. The gates to the theatre were being opened by them at 6 pm sharp.

Q.3 **Select the most appropriate ANTONYM of the given word.**

Impudent

Ans ✔ 1. Respectful

✘ 2. Rude

✘ 3. Impulsive

✘ 4. Bold

Question ID : **65497840095**
Status : **Answered**
Chosen Option : **1**

Q.4 **Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement'.**

The secretary has fewer work to do than I have yet he complains.

Ans ✘ 1. least work

✔ 2. less work

✘ 3. No improvement

✘ 4. lower work

Question ID : **65497839887**
Status : **Answered**
Chosen Option : **2**

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

Go back to the drawing board

Ans ✘ 1. Have a totally different strategy

✘ 2. Go backwards as the road is closed

✔ 3. Start planning all over again

✘ 4. Work hard to succeed

Question ID : **65497839893**
Status : **Answered**
Chosen Option : **3**

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

I said to my friend, "Why didn't you answer my phone calls?"

Ans ✔ 1. I asked my friend why she hadn't answered my phone calls.

✘ 2. I asked my friend why she hasn't answered my phone calls.

✘ 3. I asked my friend why she isn't answering my phone calls.

✘ 4. I asked my friend why she hadn't been answering my phone calls.

Question ID : **65497839886**
Status : **Answered**
Chosen Option : **1**

Q.7 Select the option that can be used as a one-word substitute for the given group of words.

One who is easily deceived

Ans ✗ 1. Credible

✓ 2. Gullible

✗ 3. Inedible

✗ 4. Inaudible

Question ID : **65497839895**
Status : **Answered**
Chosen Option : **2**

Q.8 Select the INCORRECTLY spelt word.

Ans ✓ 1. Ilegal

✗ 2. Appeal

✗ 3. Appropriate

✗ 4. Irresponsible

Question ID : **65497839896**
Status : **Answered**
Chosen Option : **1**

Q.9 Parts of the given sentence have been given as options. One of them contains a grammatical error. Select the option that has the error.

It's been many years have I left Mumbai and settled in Delhi.

Ans ✗ 1. many years

✓ 2. have I left

✗ 3. settled in

✗ 4. It's been

Question ID : **65497839882**
Status : **Answered**
Chosen Option : **2**

Q.10 Select the option that can be used as a one-word substitute for the given group of words.

A group of cattle or sheep

Ans ✗ 1. Brood

✓ 2. Herd

✗ 3. Swarm

✗ 4. Shoal

Question ID : **65497839792**
Status : **Answered**
Chosen Option : **2**

Q.11 Select the option that expresses the given sentence in indirect speech.

"It's a bright day today," said mother.

Ans
✓ 1. Mother said that it was a bright day that day.

✗ 2. Mother said that it is a bright day that day.

✗ 3. Mother said that it was a bright day today.

✗ 4. Mother said that it would be a bright day that day.

Question ID : **65497839885**
Status : **Answered**
Chosen Option : **1**

Q.12 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

A. The master of the house came in and passing rapidly through the dining–room went to his own room.
B. I was hurrying away to my own little retreat upstairs when I heard a sound.
C. The street door creaked upon its hinges and heavy feet made the whole flight of stairs to shake.
D. I could see that his restless eyes were in incessant motion behind his full–sized spectacles and his long, thin nose was like a knife blade.

Ans
✗ 1. D, C, A, B

✗ 2. B, D, A, C

✗ 3. A, D, C, B

✓ 4. B, C, A, D

Question ID : **65497839889**
Status : **Answered**
Chosen Option : **4**

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

My teacher is encouraging me to improve my performance in the SAT examination.

Ans
✓ 1. I am being encouraged by my teacher to improve my performance in the SAT exam.

✗ 2. I had been encouraged by my teacher to improve my performance in the SAT exam.

✗ 3. I was being encouraged by my teacher to improve my performance in the SAT exam.

✗ 4. I am encouraged by my teacher to improve my performance in the SAT exam.

Question ID : **65497839782**
Status : **Answered**
Chosen Option : **1**

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

Give someone the cold shoulder

Ans
✗ 1. Treat someone nicely

✓ 2. Ignore someone

✗ 3. Treat cruelly

✗ 4. Press hard

Question ID : **65497840096**
Status : **Answered**
Chosen Option : **3**

Q.15 Select the most appropriate synonym of the given word.

Strenuous

Ans ✗ 1. Effective

✗ 2. Amicable

✔ 3. Formidable

✗ 4. Manageable

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

When trees are illegally or irresponsibly cut, forest ecosystems are (1)_____. Their ability to store carbon, shelter wildlife, filter water, and to provide food, products, and jobs for (2)_____ is compromised. Global forest loss also leads to more greenhouse gases in the (3)_____. This is much more than what comes from all cars, trucks, trains, planes and ships in the world. But when forests thrive, they absorb carbon dioxide and (4)_____ down climate change. Protecting forests does much more than just keep trees standing because forests are the (5)_____ of the planet and serve as the home, market and apothecary of people living on it.

SubQuestion No : 16

Q.16 Select the most appropriate option to fill in blank no. 1.

Ans ✗ 1. created

✔ 2. weakened

✗ 3. planned

✗ 4. heightened

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

When trees are illegally or irresponsibly cut, forest ecosystems are (1)_____. Their ability to store carbon, shelter wildlife, filter water, and to provide food, products, and jobs for (2)_____ is compromised. Global forest loss also leads to more greenhouse gases in the (3)_____. This is much more than what comes from all cars, trucks, trains, planes and ships in the world. But when forests thrive, they absorb carbon dioxide and (4)_____ down climate change. Protecting forests does much more than just keep trees standing because forests are the (5)_____ of the planet and serve as the home, market and apothecary of people living on it.

SubQuestion No : 17

Q.17 Select the most appropriate option to fill in blank no. 2.

Ans ✗ 1. human

✗ 2. persons

✗ 3. personalities

✔ 4. people

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

When trees are illegally or irresponsibly cut, forest ecosystems are (1)_____. Their ability to store carbon, shelter wildlife, filter water, and to provide food, products, and jobs for (2)_____ is compromised. Global forest loss also leads to more greenhouse gases in the (3)_____. This is much more than what comes from all cars, trucks, trains, planes and ships in the world. But when forests thrive, they absorb carbon dioxide and (4)_____ down climate change. Protecting forests does much more than just keep trees standing because forests are the (5)_____ of the planet and serve as the home, market and apothecary of people living on it.

SubQuestion No : 18

Q.18 Select the most appropriate option to fill in blank no. 3.

Ans ✘ 1. thermosphere

✔ 2. atmosphere

✘ 3. hydrosphere

✘ 4. microsphere

Question ID : **65497839798**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

When trees are illegally or irresponsibly cut, forest ecosystems are (1)_____. Their ability to store carbon, shelter wildlife, filter water, and to provide food, products, and jobs for (2)_____ is compromised. Global forest loss also leads to more greenhouse gases in the (3)_____. This is much more than what comes from all cars, trucks, trains, planes and ships in the world. But when forests thrive, they absorb carbon dioxide and (4)_____ down climate change. Protecting forests does much more than just keep trees standing because forests are the (5)_____ of the planet and serve as the home, market and apothecary of people living on it.

SubQuestion No : 19

Q.19 Select the most appropriate option to fill in blank no. 4.

Ans ✘ 1. slows

✔ 2. slow

✘ 3. are slowing

✘ 4. slowing

Question ID : **65497839799**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

When trees are illegally or irresponsibly cut, forest ecosystems are (1)_____. Their ability to store carbon, shelter wildlife, filter water, and to provide food, products, and jobs for (2)_____ is compromised. Global forest loss also leads to more greenhouse gases in the (3)_____. This is much more than what comes from all cars, trucks, trains, planes and ships in the world. But when forests thrive, they absorb carbon dioxide and (4)_____ down climate change. Protecting forests does much more than just keep trees standing because forests are the (5)_____ of the planet and serve as the home, market and apothecary of people living on it.

SubQuestion No : 20

Q.20 Select the most appropriate option to fill in blank no. 5.

Ans ✗ 1. feet

✓ 2. lungs

✗ 3. brain

✗ 4. chest

Question ID : **65497839800**
Status : **Answered**
Chosen Option : **2**

Comprehension:

Read the given passage and answer the questions that follow.

The French capital, Paris, hosts a dozen 'repair cafes' – free, monthly initiatives that allow local residents to fix household objects and electronics with the help and advice of enthusiastic volunteers. Pioneered by journalist Martine Postma in Amsterdam in 2009, hundreds of similar workshops take place across Europe. Nearly two-thirds of Europeans would rather repair their products than buy new ones.
"We're a society of waste and overconsumption," says Emmanuel Vallée, organiser of the Repair Café Paris, which typically sees around 25 people attending per event, including some online, since it launched in May 2019. "We throw things away that we don't need to and buy new gadgets before exploring the possibility of repair. The cycle continues. It's a vicious circle."
For Vallée and repairers like him, there's a lot of work to be done. The world produced nearly 45 million tonnes of e-waste in 2016 as consumers and businesses threw out their old smartphones, computers and household appliances – material worth an estimated $62.5bn. Only 20% was properly recycled. In Europe, where the problem is particularly acute, researchers estimate that only 12% to 15% of mobile phones are properly recycled – despite around 90% of the population owning one.
E-waste, which is often shipped illegally from the West to sprawling, toxic dumpsites in countries like the Philippines, Ghana, Nigeria and China, is expected to grow to more than 52 million tonnes by the end of 2021, and to double by 2050 – making it the fastest growing type of domestic waste in the world. The environmental impact ranges from huge carbon emissions to pollution of water sources and food supply chains.
But significant amounts of that waste could be avoided through repairs. According to a study, only 40% of electronics breakdowns in France are repaired. But surveys have found nearly two-thirds of Europeans would rather repair their products than buy new ones. French officials truly believe the current system is broken and needs to be fixed.
In an effort to defuse this vast amount of avoidable waste, France's National Assembly last year voted to introduce an index of "reparability" ratings for appliances such as washing machines, lawnmowers, televisions and smartphones. In doing so, the French government hopes to increase the electronics repair rate to 60% within five years.

SubQuestion No : 21

Q.21 The purpose of starting the project 'Repair Cafes' was to:

Ans ✗ 1. invite people to learn how to avoid repairing appliances

✓ 2. encourage people to repair gadgets thus reducing waste

✗ 3. educate people about many ways of waste disposal

✗ 4. teach people the safe use of electronic appliances

Question ID : **65497840108**
Status : **Answered**
Chosen Option : **2**

Comprehension:

Read the given passage and answer the questions that follow.

The French capital, Paris, hosts a dozen 'repair cafes' – free, monthly initiatives that allow local residents to fix household objects and electronics with the help and advice of enthusiastic volunteers. Pioneered by journalist Martine Postma in Amsterdam in 2009, hundreds of similar workshops take place across Europe. Nearly two-thirds of Europeans would rather repair their products than buy new ones.

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For Vallée and repairers like him, there's a lot of work to be done. The world produced nearly 45 million tonnes of e-waste in 2016 as consumers and businesses threw out their old smartphones, computers and household appliances – material worth an estimated $62.5bn. Only 20% was properly recycled. In Europe, where the problem is particularly acute, researchers estimate that only 12% to 15% of mobile phones are properly recycled – despite around 90% of the population owning one.

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In an effort to defuse this vast amount of avoidable waste, France's National Assembly last year voted to introduce an index of "reparability" ratings for appliances such as washing machines, lawnmowers, televisions and smartphones. In doing so, the French government hopes to increase the electronics repair rate to 60% within five years.

SubQuestion No : 22

Q.22 By introducing an index of 'reparability' ratings for appliances it is expected:

Ans ✘ 1. electronics repair rate will go down very soon

✘ 2. new purchases will be reduced completely

✔ 3. waste that is harming the environment will reduce considerably

✘ 4. that waste generation will be more or less zero

| Question ID : **65497840112** |
| Status : **Answered** |
| Chosen Option : **3** |

Comprehension:

Read the given passage and answer the questions that follow.

The French capital, Paris, hosts a dozen 'repair cafes' – free, monthly initiatives that allow local residents to fix household objects and electronics with the help and advice of enthusiastic volunteers. Pioneered by journalist Martine Postma in Amsterdam in 2009, hundreds of similar workshops take place across Europe. Nearly two-thirds of Europeans would rather repair their products than buy new ones.

"We're a society of waste and overconsumption," says Emmanuel Vallée, organiser of the Repair Café Paris, which typically sees around 25 people attending per event, including some online, since it launched in May 2019. "We throw things away that we don't need to and buy new gadgets before exploring the possibility of repair. The cycle continues. It's a vicious circle."

For Vallée and repairers like him, there's a lot of work to be done. The world produced nearly 45 million tonnes of e-waste in 2016 as consumers and businesses threw out their old smartphones, computers and household appliances – material worth an estimated $62.5bn. Only 20% was properly recycled. In Europe, where the problem is particularly acute, researchers estimate that only 12% to 15% of mobile phones are properly recycled – despite around 90% of the population owning one.

E-waste, which is often shipped illegally from the West to sprawling, toxic dumpsites in countries like the Philippines, Ghana, Nigeria and China, is expected to grow to more than 52 million tonnes by the end of 2021, and to double by 2050 – making it the fastest growing type of domestic waste in the world. The environmental impact ranges from huge carbon emissions to pollution of water sources and food supply chains.

But significant amounts of that waste could be avoided through repairs. According to a study, only 40% of electronics breakdowns in France are repaired. But surveys have found nearly two-thirds of Europeans would rather repair their products than buy new ones. French officials truly believe the current system is broken and needs to be fixed.

In an effort to defuse this vast amount of avoidable waste, France's National Assembly last year voted to introduce an index of "reparability" ratings for appliances such as washing machines, lawnmowers, televisions and smartphones. In doing so, the French government hopes to increase the electronics repair rate to 60% within five years.

SubQuestion No : 23

Q.23 **"The cycle continues. It's a vicious circle." The writer calls it a vicious circle because:**

Ans ✗ 1. keeping old, broken stuff in our houses due to storage issues is a huge problem

✔ 2. the cycle of buying, throwing and again buying continues in a harmful way

✗ 3. we are helpless when things break and we can't do without them

✗ 4. we need to buy new gadgets and their disposal is not our concern

Question ID : **65497840110**	
Status : **Answered**	
Chosen Option : **2**	

Comprehension:

Read the given passage and answer the questions that follow.

The French capital, Paris, hosts a dozen 'repair cafes' – free, monthly initiatives that allow local residents to fix household objects and electronics with the help and advice of enthusiastic volunteers. Pioneered by journalist Martine Postma in Amsterdam in 2009, hundreds of similar workshops take place across Europe. Nearly two-thirds of Europeans would rather repair their products than buy new ones.
"We're a society of waste and overconsumption," says Emmanuel Vallée, organiser of the Repair Café Paris, which typically sees around 25 people attending per event, including some online, since it launched in May 2019. "We throw things away that we don't need to and buy new gadgets before exploring the possibility of repair. The cycle continues. It's a vicious circle."
For Vallée and repairers like him, there's a lot of work to be done. The world produced nearly 45 million tonnes of e-waste in 2016 as consumers and businesses threw out their old smartphones, computers and household appliances – material worth an estimated $62.5bn. Only 20% was properly recycled. In Europe, where the problem is particularly acute, researchers estimate that only 12% to 15% of mobile phones are properly recycled – despite around 90% of the population owning one.
E-waste, which is often shipped illegally from the West to sprawling, toxic dumpsites in countries like the Philippines, Ghana, Nigeria and China, is expected to grow to more than 52 million tonnes by the end of 2021, and to double by 2050 – making it the fastest growing type of domestic waste in the world. The environmental impact ranges from huge carbon emissions to pollution of water sources and food supply chains.
But significant amounts of that waste could be avoided through repairs. According to a study, only 40% of electronics breakdowns in France are repaired. But surveys have found nearly two-thirds of Europeans would rather repair their products than buy new ones. French officials truly believe the current system is broken and needs to be fixed.
In an effort to defuse this vast amount of avoidable waste, France's National Assembly last year voted to introduce an index of "reparability" ratings for appliances such as washing machines, lawnmowers, televisions and smartphones. In doing so, the French government hopes to increase the electronics repair rate to 60% within five years.

SubQuestion No : 24

Q.24 Steps that can be taken to reduce E- waste are:

A. Volunteers can help and guide people to repair goods.
B. Buying repairable gadgets should be encouraged.
C. 45 million tonnes of e-waste should be disposed of quickly.
D. At least 20% of the electronic gadgets should be repaired.
E. Recycling of gadgets and electronics goods should be pushed hard.

Ans   ✗ 1. B, C, E

✗ 2. B, D, E

✔ 3. A, B, E

✗ 4. A, C, D

Comprehension:

Read the given passage and answer the questions that follow.

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SubQuestion No : 25

Q.25 Repair Cafés were started in Paris in:

Ans ✗ 1. 2021

✓ 2. 2019

✗ 3. 2016

✗ 4. 2009

Section : **Quantitative Aptitude**

Q.1 In ΔABC, ∠A = 48°. AB and AC are produced to points D and E, respectively. If the bisectors of ∠CBD and ∠BCE meet at a point O, then ∠BOC is equal to:

Ans ✓ 1. 66°

✗ 2. 84°

✗ 3. 42°

✗ 4. 132°

Q.2 If the number 556743A57B is divisible by 8 and 9, then find 2A − B.

Ans
✔ 1. 6
✘ 2. 0
✘ 3. 1
✘ 4. 3

Question ID : **65497840114**
Status : **Answered**
Chosen Option : **1**

Q.3 If a nine-digit number 85345x61y is divisible by 72, then the value of (2x − y) is:

Ans
✔ 1. 8
✘ 2. 7
✘ 3. 6
✘ 4. 9

Question ID : **65497839909**
Status : **Answered**
Chosen Option : **1**

Q.4 A library has an average of 538 visitors on Sundays and 237 on other days. The average number of visitors (approximate to the nearest integer) per day in a month of 31 days beginning with a Monday is:

Ans
✘ 1. 280
✘ 2. 254
✘ 3. 252
✔ 4. 276

Question ID : **65497839810**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Let $\triangle ABC \sim \triangle PQR$ and $\frac{ar(\triangle ABC)}{ar(\triangle QPR)} = \frac{25}{144}$. If AB = 12 cm, BC = 7 cm and AC = 9 cm, then PR (in cm) is equal to:

Ans
✘ 1. 16.3
✘ 2. 14.4
✔ 3. 21.6
✘ 4. 32.6

Question ID : **65497839929**
Status : **Answered**
Chosen Option : **3**

Q.6 A can finish 50% of a work in 30 days. He works at it for 15 days and then B alone finishes the remaining work in 30 days. In how many days can A and B working together finish 25% of the whole work?

Ans
✘ 1. 9
✔ 2. 6
✘ 3. 8
✘ 4. 10

Question ID : **65497839922**
Status : **Answered**
Chosen Option : **2**

Q.7 If $a^2 + b^2 + 49c^2 + 18 = 2(b + 28c - a)$, then the value of $(a - b + 7c)$ is:

Ans ✘ 1. -1

✔ 2. 2

✘ 3. -2

✘ 4. 1

Question ID : **65497839926**
Status : **Not Answered**
Chosen Option : **--**

Q.8 14 men complete a work in 10 days. If 7 men are employed, then in how many days will they complete the same work?

Ans ✘ 1. 15

✔ 2. 20

✘ 3. 30

✘ 4. 5

Question ID : **65497839816**
Status : **Answered**
Chosen Option : **2**

Q.9 A person travelled from a place Z to P at an average speed of 130 km/h. He travelled the first 75% of the distance in two-third of the time and the rest at a constant speed of X km/h. The value of 2X is:

Ans ✘ 1. 105

✘ 2. 210

✔ 3. 195

✘ 4. 97.5

Question ID : **65497839924**
Status : **Not Answered**
Chosen Option : **--**

Q.10 If $\sqrt{x} + \frac{3}{\sqrt{x}} = 4$, then what is the value of $x^2(x^2 - 82)$?

Ans ✘ 1. -9

✘ 2. -36

✔ 3. -81

✘ 4. 36

Question ID : **65497840177**
Status : **Not Answered**
Chosen Option : **--**

Q.11 An article is sold at a profit of 13.25%. Had it been sold for ₹76.70 more, the profit would have been 16.2%. 20% of the cost price of the article (in ₹) is:

Ans ✘ 1. 450

✔ 2. 520

✘ 3. 650

✘ 4. 750

Question ID : **65497839917**
Status : **Answered**
Chosen Option : **2**

Q.12 The given pie chart shows the percentage distribution of a total of 1600 employees in different departments of a company. The given table shows the ratio of male to female employees in the different departments. Study the pie chart and table and answer the question that follows.

Percentage (%) of Employees in Different Departments

Departments	Male : Female
HR	3 : 5
IT	2 : 3
Accounts	3 : 7
Marketing	7 : 4
Production	5 : 3

What is the total number of female employees in the company?

Ans ✔ 1. 812

✘ 2. 920

✘ 3. 794

✘ 4. 788

Question ID : **65497839830**
Status : **Not Answered**
Chosen Option : **--**

Q.13 Out of five numbers A, B, C, D and E, the average of the first four numbers A, B, C and D is greater than the average of the last four numbers B, C, D and E by 35. The value of $\frac{A-E}{7}$ is:

Ans ✘ 1. 10

✔ 2. 20

✘ 3. 40

✘ 4. 30

Question ID : **65497840115**
Status : **Answered**
Chosen Option : **2**

Q.14 If a side of a square is increased by 20%, then its area will increase by:

Ans ✘ 1. 80%

✘ 2. 20%

✘ 3. 40%

✔ 4. 44%

Question ID : **65497840182**
Status : **Answered**
Chosen Option : **4**

Q.15 The given table shows the number of seats booked in different classes of a train on a particular day, and the numbers in brackets show the total availability of that particular class. Study the table and answer the question that follows.

Day	2nd Class Non-AC (900)	1st Class Non-AC (500)	AC III Tier (500)	AC II Tier (250)	AC 1st Class (150)
Monday	850	460	480	240	145
Tuesday	840	400	450	230	120
Wednesday	830	390	480	220	130
Thursday	790	480	490	250	125
Friday	840	470	500	210	130

If the data related to the vacant seats for AC 1st Class is represented by a pie-chart, then the central angle of the sector representing vacant seats for AC 1st class for Friday is:

Ans

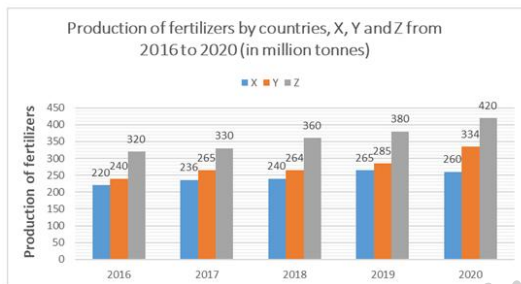✔ 1. 72°

✘ 2. 90°

✘ 3. 108°

✘ 4. 75°

Question ID : **65497840034**

Status : **Answered**

Chosen Option : **3**

Q.16 Study the given graph and answer the question that follows.

The graph shows the production of fertilizers by countries X,Y and Z (in million tonnes) from the year 2016 to 2020.

Production of fertilizers by countries, X, Y and Z from 2016 to 2020 (in million tonnes)

The ratio of the production of fertilizers by country Z in 2019 to the total production of fertilizers by country X in 2017 and country Y in 2020 is:

Ans

✘ 1. 1 : 2

✔ 2. 2 : 3

✘ 3. 3 : 5

✘ 4. 1 : 5

Question ID : **65497840137**

Status : **Not Answered**

Chosen Option : **--**

Q.17 The ratio of the profits of P and Q are 5 : 8. What is their investment ratio if their investment time period ratio is 4 : 5?

Ans

✘ 1. 11 : 17

✘ 2. 16 : 25

✔ 3. 25 : 32

✘ 4. 32 : 21

Question ID : **65497839919**

Status : **Answered**

Chosen Option : **3**

Q.18 If $\sec x = \csc (2x - 45°)$, $0° < x < 90°$, then x is equal to:

Ans
✓ 1. $45°$

✗ 2. $60°$

✗ 3. $15°$

✗ 4. $30°$

Q.19 An article was sold at a loss of 15%. If it was sold for ₹1,035 more, then there would have been a profit of 8%. The original selling price (in ₹) of the article is:

Ans
✗ 1. 2,975

✗ 2. 3,582

✓ 3. 3,825

✗ 4. 2,759

Q.20 A man takes 5 minutes to cover a certain distance at a speed of 6 km/h. If he walks at a speed of 10 km/h, how much time (in minutes) will he take to cover double the distance?

Ans
✗ 1. 5

✗ 2. 8

✗ 3. 4

✓ 4. 6

Q.21 A borrows a sum of ₹3,500 for 6 years at 5% p.a. simple interest. He lends it to B at 9% p.a. for 3 years. What is his gain or loss?

Ans
✗ 1. ₹180 gain

✗ 2. ₹180 loss

✗ 3. ₹140 gain

✓ 4. ₹105 loss

Q.22 Thirty persons working 6 hours a day can complete a work in 28 days. How many days will 28 persons take to complete another work which is half times the present work, if they work 9 hours a day?

Ans
  ✗ 1. 12

  ✗ 2. 8

  ✓ 3. 10

  ✗ 4. 9

Question ID : **65497840125**
Status : **Answered**
Chosen Option : **3**

Q.23 A merchant fixes the sale price of his goods at 31% above the cost price. He sells his goods at 13% less than the fixed price. His profit percentage is:

Ans
  ✗ 1. 15.71%

  ✗ 2. 17.18%

  ✗ 3. 18.71%

  ✓ 4. 13.97%

Question ID : **65497839913**
Status : **Answered**
Chosen Option : **3**

Q.24 A number is decreased by 35%, then increased by 25% and then further increased by 15%. What is the net increase/decrease percentage in the number (correct to the nearest integer)?

Ans
  ✗ 1. 6% increase

  ✗ 2. 15% decrease

  ✗ 3. 14% increase

  ✓ 4. 7% decrease

Question ID : **65497839813**
Status : **Not Answered**
Chosen Option : **--**

Q.25 A's salary is 32% more than B's. How much per cent (correct to the nearest integer) is B's salary less than A's?

Ans
  ✗ 1. 20%

  ✗ 2. 18%

  ✗ 3. 25%

  ✓ 4. 24%

Question ID : **65497839914**
Status : **Not Answered**
Chosen Option : **--**

Section : **General awareness**

Q.1 In which of the following countries is the Sri Pada mountain located?

Ans
  ✗ 1. China

  ✓ 2. Sri Lanka

  ✗ 3. Bangladesh

  ✗ 4. Myanmar

Question ID : **65497839947**
Status : **Not Answered**
Chosen Option : **--**

Q.2 In which of the following years did Mahatma Gandhi visit Noakhali and other riot-torn areas to stop communal violence?

Ans ✗ 1. 1935

✗ 2. 1919

✗ 3. 1927

✓ 4. 1946

Question ID : **65497839951**	
Status : **Answered**	
Chosen Option : **3**	

Q.3 Which of the following is NOT a rabi crop?

Ans ✗ 1. Barley

✗ 2. Mustard

✗ 3. Rapeseed

✓ 4. Cotton

Question ID : **65497839945**	
Status : **Answered**	
Chosen Option : **4**	

Q.4 Who among the following won the Nelson Mandela World Humanitarian Award 2021 by the Diplomatic Mission Global Peace in April 2021?

Ans ✗ 1. Roberto Benigni

✗ 2. Suman Chakraborty

✓ 3. Rumana Sinha Sehgal

✗ 4. Bhuvneshwar Kumar

Question ID : **65497839954**	
Status : **Answered**	
Chosen Option : **2**	

Q.5 Subarnarekha River basin is located in which of the following states?

Ans ✗ 1. Haryana

✗ 2. Tamil Nadu

✗ 3. Chhattisgarh

✓ 4. Jharkhand

Question ID : **65497839842**	
Status : **Not Answered**	
Chosen Option : **--**	

Q.6 Which of the following states has the Disaster Management Agency and UNICEF jointly developed an online Flood Reporting System and Information Management System?

Ans ✗ 1. Karnataka

✗ 2. Kerala

✗ 3. West Bengal

✓ 4. Assam

Question ID : **65497839939**	
Status : **Answered**	
Chosen Option : **2**	

Q.7 Sindhudurg Fort is located in which of the following states?

Ans ✔ 1. Maharashtra

✘ 2. Madhya Pradesh

✘ 3. Karnataka

✘ 4. Rajasthan

Question ID : **65497839936**
Status : **Answered**
Chosen Option : **2**

Q.8 On which of the following days is the World Asthma Day organised annually by the World Health Organization's collaborative organization- Global Initiative for Asthma?

Ans ✘ 1. 13 June

✘ 2. 15 March

✔ 3. 5 May

✘ 4. 23 April

Question ID : **65497839841**
Status : **Answered**
Chosen Option : **3**

Q.9 _____ is designed to measure relative humidity.

Ans ✘ 1. Barometer

✘ 2. Fluxometer

✘ 3. Anemometer

✔ 4. Hygrometer

Question ID : **65497839940**
Status : **Answered**
Chosen Option : **4**

Q.10 Which of the following festivals is celebrated in Jharkhand during the spring season in the worship of the village deity who is considered to be the protector of the tribes and the Saal trees get new flowers on their branches?

Ans ✘ 1. Jawa

✘ 2. Bandna

✔ 3. Sarhul

✘ 4. Karam

Question ID : **65497839833**
Status : **Not Answered**
Chosen Option : **--**

Q.11 Who among the following has written 'Climate Change Explained - for one and all', an e-book released in May 2021 which explains the impact of climate change?

Ans ✘ 1. Pavan C Lall

✔ 2. Aakash Ranison

✘ 3. RP Gupta

✘ 4. Amitav Ghosh

Question ID : **65497839952**
Status : **Answered**
Chosen Option : **1**

Q.12 Who among the following became the Chief Minister of Tamil Nadu in May 2021?

Ans ✗ 1. Sanjib Banerjee

✗ 2. Banwarilal Purohit

✓ 3. MK Stalin

✗ 4. Amit Banerjee

Question ID : **65497840157**
Status : **Answered**
Chosen Option : **3**

Q.13 Which of the following dance forms of Nagaland is performed as preparation for a hunting expedition?

Ans ✗ 1. Tapu

✗ 2. Nati

✗ 3. Dhangar

✓ 4. Sadal Kekai

Question ID : **65497840138**
Status : **Marked For Review**
Chosen Option : **4**

Q.14 In which of the following states was the Mukhyamantri Chiranjeevi Yojana launched in May 2021 to provide financial assistance for the medical treatment to all the residents?

Ans ✗ 1. Madhya Pradesh

✗ 2. Bihar

✗ 3. Uttar Pradesh

✓ 4. Rajasthan

Question ID : **65497839835**
Status : **Answered**
Chosen Option : **4**

Q.15 In which of the following states has the Sanhati Programme been launched which will enable around 1.5 lakh students to avail primary education in their mother tongue?

Ans ✗ 1. Assam

✗ 2. West Bengal

✗ 3. Bihar

✓ 4. Odisha

Question ID : **65497840142**
Status : **Not Answered**
Chosen Option : **--**

Q.16 According to which of the following Articles of the Indian Constitution shall the law declared by the Supreme Court be binding on all courts within the territory of India?

Ans ✓ 1. Article 141

✗ 2. Article 190

✗ 3. Article 341

✗ 4. Article 213

Question ID : **65497839957**
Status : **Answered**
Chosen Option : **1**

Q.17 The _____ of India lays down the basic rules on the powers and functions of each institution.

Ans ✘ 1. Supreme Court

✘ 2. Parliament

✔ 3. Constitution

✘ 4. Attorney General

Question ID : **65497839853**
Status : **Answered**
Chosen Option : **3**

Q.18 _____ is the process by which water-soluble salts accumulate in the soil.

Ans ✔ 1. Salinization

✘ 2. Convection

✘ 3. Ablation

✘ 4. Denudation

Question ID : **65497840146**
Status : **Answered**
Chosen Option : **1**

Q.19 Gymnast Pranati Nayak, who has qualified for the 2021 Tokyo Olympics after winning Asian quota, is from which of the following states?

Ans ✘ 1. Odisha

✔ 2. West Bengal

✘ 3. Bihar

✘ 4. Assam

Question ID : **65497840162**
Status : **Not Answered**
Chosen Option : **--**

Q.20 In which of the following years did Nadir Shah invade India and sack Delhi?

Ans ✘ 1. 1634

✘ 2. 1799

✔ 3. 1739

✘ 4. 1598

Question ID : **65497840153**
Status : **Answered**
Chosen Option : **1**

Q.21 How many signs used to be part of the longest inscription found on Harappan seals?

Ans ✘ 1. 12

✘ 2. 90

✘ 3. 79

✔ 4. 26

Question ID : **65497839948**
Status : **Not Answered**
Chosen Option : **--**

Q.22 _____ is a branch of zoology that deals with the study of amphibians and reptiles.

Ans
- ✗ 1. Andrology
- ✓ 2. Herpetology
- ✗ 3. Cytology
- ✗ 4. Gerontology

Question ID : **65497839941**
Status : **Answered**
Chosen Option : **1**

Q.23 In which of the following years did Sir John Marshall establish an archaeological museum at Sanchi?

Ans
- ✗ 1. 1898
- ✗ 2. 1889
- ✓ 3. 1919
- ✗ 4. 1934

Question ID : **65497839848**
Status : **Not Answered**
Chosen Option : **--**

Q.24 The powers, privileges and immunities of each House of Parliament and of the members and committees of each House, shall be defined by the _____ by law from time to time.

Ans
- ✓ 1. Parliament
- ✗ 2. Supreme Court
- ✗ 3. President
- ✗ 4. Prime Minister

Question ID : **65497839956**
Status : **Answered**
Chosen Option : **1**

Q.25 According to Census 2011, which of the following Union Territories has the top population growth rate?

Ans
- ✗ 1. Lakshadweep
- ✓ 2. Dadra and Nagar Haveli
- ✗ 3. Puducherry
- ✗ 4. Chandigarh

Question ID : **65497840150**
Status : **Answered**
Chosen Option : **4**