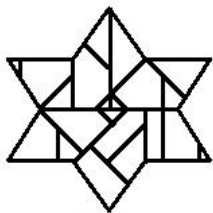


Selection Post Phase IX 2021 Graduate level

Roll Number	
Candidate Name	
Venue Name	
Exam Date	08/02/2022
Exam Time	3:00 PM - 4:00 PM
Subject	Selection Post Graduate Level

Section : General Intelligence

Q.1 Select the option that is embedded in the given figure (X) (Rotation is NOT allowed).



(X)

Ans

✗ 1.



2.



3.



4.



Question ID : 65497839553

Status : Answered

Chosen Option : 3

Q.2 In a certain code language, FORK is written as JKVG and COARSE is written as GKENWA. How will TERMITES be written in that language?

- Ans
- 1. XAVIMXAO
 - ✓ 2. XAVIMPIO
 - 3. PIVIMPIW
 - ✗ 4. YANIMPIO

Question ID : 65497839639
Status : Answered
Chosen Option : 2

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

31, 35, 51, 87, 151, ?, 395

- Ans
- ✓ 1. 251
 - 2. 262
 - ✗ 3. 187
 - 4. 215

Question ID : 65497839548
Status : Answered
Chosen Option : 1

Q.4 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

PUZKR : TPFdz :: KRTOD : ?

- Ans
- 1. PNZHL
 - ✗ 2. OMYIL
 - 3. OMZHM
 - ✓ 4. OMZHL

Question ID : 65497839531
Status : Answered
Chosen Option : 4

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

b _ c _ d _ k b _ _ a _ e k b b _ a d _ k

- Ans
- 1. baebcdedc
 - 2. beabdcde
 - ✓ 3. baebcdce
 - 4. baedcdck

Question ID : 65497839543
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.6 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Letter
2. Lexicon
3. Latitude
4. Leverage
5. Lovable
6. Levy
7. Latent

Ans ☒ 1. 7, 3, 1, 6, 4, 2, 5
☐ 2. 7, 3, 1, 2, 6, 4, 5
☒ 3. 7, 3, 1, 4, 2, 6, 5
☐ 4. 7, 3, 1, 4, 6, 2, 5

Question ID : 65497839635

Status : Marked For Review

Chosen Option : 4

Q.7 In a certain code language, SICK is coded as 168 and TAR is coded as 117. How will NOMAD be coded in that language?

Ans ☐ 1. 235
☒ 2. 290
☐ 3. 245
☒ 4. 321

Question ID : 65497839540

Status : Not Answered

Chosen Option : --

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.

Pulmonologists : Lungs :: Nephrologists : ?

Ans ☒ 1. Testes
☐ 2. Liver
☐ 3. Kidneys
☐ 4. Bones

Question ID : 65497839637

Status : Answered

Chosen Option : 3

Q.9 In a certain code language, 'BROTHER' is written as CSQUIGS and 'MAGIC' is written as NCHKD. How will 'SWEATING' be written in that language?

Ans ☒ 1. TYGCVKOH
☐ 2. TXGBUKOI
☒ 3. TXFCUJOH
☐ 4. TXGCUKOH

Question ID : 65497839436

Status : Answered

Chosen Option : 2

Q.10 In a certain code language, FROLIC is written as ROLIFC and LOBSTER is written as TSROLEB. How will MANGROVE be written in that language?

- Ans
- 1. RVNOMGEA
 - ☒ 2. VORMNGEA
 - 3. VRONGMEA
 - 4. VRONMGEA

Question ID : 65497839536
Status : Not Answered
Chosen Option : --

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 handkerchiefs are plastics.
All clothes are handkerchiefs.
All utensils are clothes.

Conclusions:
I. Some plastics are handkerchiefs.
II. All utensils are plastics.
III. Some handkerchiefs are utensils.

- Ans
- ☒ 1. Only Conclusions I and III follow.
 - 2. Only Conclusion I follows.
 - ☒ 3. Only Conclusions II and III follow.
 - 4. Only Conclusions I and II follow.

Question ID : 65497839444
Status : Marked For Review
Chosen Option : 1

Q.12 In a certain code language, ROCKET is coded as 184311220 and PLUNGE is coded as 161251472. How will TANGLE be coded in that language?

- Ans
- 1. 201648122
 - ☒ 2. 201147125
 - 3. 201147122
 - ☒ 4. 201137122

Question ID : 65497839541
Status : Answered
Chosen Option : 2

Q.13 Select the option that is related to the third word in the same way as the second word is related to the first word.

Professor : Education :: Soldier : ?

- Ans ☒ 1. Country
☐ 2. Defence
☒ 3. Patriotism
☐ 4. Uniform

Question ID : 65497839534
Status : Answered
Chosen Option : 2

Q.14 In a family, N's wife H is the only daughter of G. D and R are brothers. J's father is married to P's daughter. V's only sister G is married to P. R is the son of P. Which of the following statements is correct?

- Ans ☐ 1. V is the paternal aunt of H.
☒ 2. G is the father of N.
☒ 3. P is the maternal grandfather of J.
☐ 4. D is the son of N.

Question ID : 65497839545
Status : Not Answered
Chosen Option : --

Q.15 Select the correct option that indicates the arrangement of the given words in a logical and meaningful order.

1. Tiger
2. Dog
3. Ant
4. Elephant
5. Sparrow
6. Centipede

- Ans ☒ 1. 3, 2, 5, 6, 1, 4
☐ 2. 3, 6, 5, 1, 2, 4
☒ 3. 3, 6, 5, 2, 1, 4
☐ 4. 3, 4, 5, 2, 6, 1

Question ID : 65497839532
Status : Answered
Chosen Option : 3

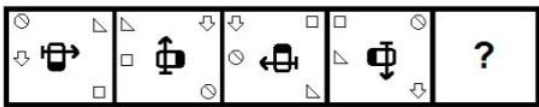
Q.16 Select the option that is related to the third term in the same way as the second term is related to the first term.

DANIEL : NLIEDA :: BROTHER : ?

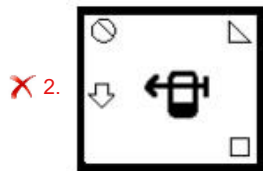
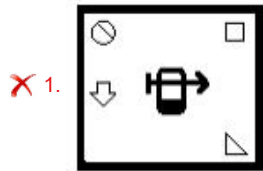
- Ans ☐ 1. TORRHEB
☒ 2. TQOOHEB
☒ 3. TRROHEB
☒ 4. TRROEHB

Question ID : 65497839742
Status : Not Answered
Chosen Option : --

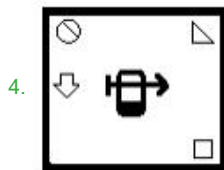
Q.17 Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans

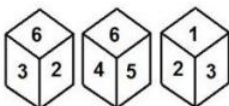


✗ 3.



Question ID : 65497839449
Status : Answered
Chosen Option : 4

Q.18 Three 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 '1'.



Ans

1.

2.

✗ 3.

✗ 4. 5

Question ID : 65497839654
Status : Answered
Chosen Option : 2

Q.19 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 dolls are rockets.
Some rockets are engines.
All engines are solids.

Conclusions:
I. No doll is solid.
II. No solid is an engine.
III. Some dolls are solid.
IV. No engine is a rocket.

- Ans** 1. Only conclusions II and IV follow.
- ☒ 2. Either conclusion II or III follows.
- ☒ 3. Only conclusions I and III follow.
4. Either conclusion I or III follows.

Question ID : **65497839547**
Status : **Answered**
Chosen Option : **4**

Q.20 Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.

$$54 * 27 * 9 * 18 * 36 * 72$$

- Ans** 1. +, ÷, ×, , =
2. , +, ×, ÷, =
- ☒ 3. +, , ×, ÷, =
- ☒ 4. , ×, +, ÷, =

Question ID : **65497839550**
Status : **Answered**
Chosen Option : **1**

Q.21 In a certain code language, 'DIVINE' is coded as 63 and 'FEAST' is coded as 51. How will 'MEAGRE' be coded in that language?

- Ans** ☒ 1. 57
2. 49
- ☒ 3. 45
4. 51

Question ID : **65497839437**
Status : **Answered**
Chosen Option : **2**

Q.22 Pointing towards a girl, Vishakha said, "She is my brother's wife's mother-in-law's son's daughter." How is that girl's father related to Vishakha?

- Ans
- 1. Husband
 - ✓ 2. Brother
 - 3. Father
 - ✗ 4. Nephew

Question ID : 65497839735
Status : Answered
Chosen Option : 2

Q.23 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

G _ _ D O _ K N _ O G K _ D _ G K _ _ O

- Ans
- ✗ 1. KNDGNOND
 - 2. KNGNDOND
 - ✗ 3. KNGDNOGD
 - 4. KNGDNOND

Question ID : 65497839440
Status : Not Answered
Chosen Option : --

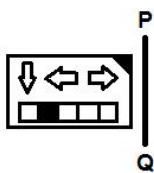
Q.24 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

2531 : 121 :: 1446 : ? :: 3506 : 196

- Ans
- ✗ 1. 258
 - 2. 225
 - ✗ 3. 256
 - 4. 144

Question ID : 65497839651
Status : Answered
Chosen Option : 3

Q.25 Select the correct mirror image of the given figure when the mirror is placed at line PQ as shown.



Ans

☒ 1.



☐ 2.

☐ 3.



☒ 4.



Question ID : 65497839554

Status : Answered

Chosen Option : 2

Section : English Language

Q.1 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. "So, no good coming here with highfalutin ideas," he continued.
- B. "There's one thing you must understand," said Edward to the housekeeper.
- C. The housekeeper bowed and simply nodded in agreement.
- D. "Just because we live in a big house doesn't mean we're rich!"

Ans ☒ 1. BDAC

☐ 2. BACD

☒ 3. CADB

☐ 4. DBCA

Question ID : 65497839564

Status : Answered

Chosen Option : 1

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

A lenient view of her case was taken by the judge.

- Ans** ☒ 1. The judge will take a lenient view of her case.
☒ 2. The judge has taken a lenient view of her case.
☒ 3. The judge took a lenient view of her case.
☒ 4. The judge takes a lenient view of her case.

Question ID : **65497839557**
Status : **Answered**
Chosen Option : **3**

Q.3 Select the option that expresses the given sentence in direct speech.

I asked my mother where she kept the grocery.

- Ans** ☒ 1. I said to my mother, "Where have you kept the grocery?"
☒ 2. I said to my mother, "Where do you keep the grocery?"
☒ 3. I said to my mother, "Where does she keeps the grocery?"
☒ 4. I said to my mother, "Where she keeps the grocery?"

Question ID : **65497839558**
Status : **Answered**
Chosen Option : **2**

Q.4 Select the option that expresses the given sentence in active voice.

He has been given a notice to vacate the house.

- Ans** ☒ 1. We are giving him a notice to vacate the house.
☒ 2. We had given him a notice to vacate the house.
☒ 3. We gave him a notice to vacate the house.
☒ 4. We have given him a notice to vacate the house.

Question ID : **65497839454**
Status : **Answered**
Chosen Option : **4**

Q.5 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

The tin-roofed house gave up during the terrible storm.

- Ans** ☒ 1. gave away
☒ 2. No improvement required
☒ 3. gave way
☒ 4. gave over

Question ID : **65497839459**
Status : **Answered**
Chosen Option : **2**

Q.6 Select the option that can be used as a one-word substitute for the given group of words.

Following or occurring after death

- Ans** ☒ 1. Posthumous
 ☐ 2. Postponed
 ☒ 3. Anointed
 ☐ 4. Anonymous

Question ID : **65497839670**
Status : **Answered**
Chosen Option : **1**

Q.7 Select the most appropriate synonym of the given word.

Implacable

- Ans** ☒ 1. Relentless
 ☒ 2. Magnanimous
 ☒ 3. Compassionate
 ☐ 4. Remorseful

Question ID : **65497839565**
Status : **Not Answered**
Chosen Option : **--**

Q.8 Select the most appropriate option to fill in the blank.

He renounced both, his family _____ his friends.

- Ans** ☒ 1. and
 ☒ 2. as well as
 ☐ 3. with
 ☒ 4. also

Question ID : **65497839562**
Status : **Answered**
Chosen Option : **1**

Q.9 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

He is bent to harm me as much as he can.

- Ans** ☐ 1. on harm
 ☒ 2. to harming
 ☐ 3. No improvement required
 ☒ 4. upon harming

Question ID : **65497839560**
Status : **Answered**
Chosen Option : **3**

Q.10 Select the option that expresses the given sentence in indirect speech.

The police officer said to him, "Why were you out till late last night?"

- Ans** ☒ 1. The police officer asked him that why he were out till late the previous night.
- ☒ 2. The police officer asked him why he had been out till late the previous night.
- ☐ 3. The police officer asked him why had he been out till late last night.
- ☒ 4. The police officer asked him why was he out till late last night.

Question ID : **65497839661**
Status : **Answered**
Chosen Option : **2**

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

Keep one's head

- Ans** ☒ 1. Remain calm
- ☐ 2. Respect oneself
- ☒ 3. Be honest
- ☐ 4. Become conceited

Question ID : **65497839567**
Status : **Answered**
Chosen Option : **1**

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

Illicit

- Ans** ☐ 1. Unlawful
- ☒ 2. Furtive
- ☐ 3. Prohibited
- ☒ 4. Ethical

Question ID : **65497839668**
Status : **Answered**
Chosen Option : **4**

Q.13 Select the most appropriate option to fill in the blank.

No _____ than fifty trees were uprooted in the storm.

- Ans** ☒ 1. fewer
- ☐ 2. much
- ☒ 3. moreover
- ☒ 4. few

Question ID : **65497839665**
Status : **Marked For Review**
Chosen Option : **1**

Q.14 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Nelson left his home / and went / to the sea / at an early age.

- Ans**  1. to the sea
2. and went
 3. Nelson left his home
4. at an early age

Question ID : **65497839555**
Status : **Answered**
Chosen Option : **4**

Q.15 Select the **INCORRECTLY** spelt word.

- Ans** 1. Forlon
2. Feign
 3. Fascinate
4. Forfeit

Question ID : **65497839467**
Status : **Answered**
Chosen Option : **1**

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.

As the education of girls becomes similar (1)_____ that of boys, their home life will also become similar. Their present greater (2)_____ of domestic affairs will also disappear. After a (3)_____ age, boys and girls should have a share in parental occupations and (4)_____, but not in excess as it would interfere with their education. Yet, (5)_____ of the problems of adult life helps boys and girls understand and appreciate the efforts of their parents.

SubQuestion No : 16

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

- Ans**  1. from
 2. as
3. than
 4. to

Question ID : **65497839571**
Status : **Answered**
Chosen Option : **4**

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.

As the education of girls becomes similar (1)_____ that of boys, their home life will also become similar. Their present greater (2)_____ of domestic affairs will also disappear. After a (3)_____ age, boys and girls should have a share in parental occupations and (4)_____, but not in excess as it would interfere with their education. Yet, (5)_____ of the problems of adult life helps boys and girls understand and appreciate the efforts of their parents.

SubQuestion No : 17

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

- Ans  1. familiarity
2. knowledge
 3. power
4. instruction

Question ID : 65497839572

Status : Not Answered

Chosen Option : --

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.

As the education of girls becomes similar (1)_____ that of boys, their home life will also become similar. Their present greater (2)_____ of domestic affairs will also disappear. After a (3)_____ age, boys and girls should have a share in parental occupations and (4)_____, but not in excess as it would interfere with their education. Yet, (5)_____ of the problems of adult life helps boys and girls understand and appreciate the efforts of their parents.

SubQuestion No : 18

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

- Ans  1. settled
2. decided
 3. certain
4. fixed

Question ID : 65497839573

Status : Answered

Chosen Option : 3

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.

As the education of girls becomes similar (1)_____ that of boys, their home life will also become similar. Their present greater (2)_____ of domestic affairs will also disappear. After a (3)_____ age, boys and girls should have a share in parental occupations and (4)_____, but not in excess as it would interfere with their education. Yet, (5)_____ of the problems of adult life helps boys and girls understand and appreciate the efforts of their parents.

SubQuestion No : 19

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

- Ans  1. reluctance
2. hesitation
 3. anxieties
4. mistrusts

Question ID : 65497839574

Status : Answered

Chosen Option : 1

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.

As the education of girls becomes similar (1)_____ that of boys, their home life will also become similar. Their present greater (2)_____ of domestic affairs will also disappear. After a (3)_____ age, boys and girls should have a share in parental occupations and (4)_____, but not in excess as it would interfere with their education. Yet, (5)_____ of the problems of adult life helps boys and girls understand and appreciate the efforts of their parents.

SubQuestion No : 20

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

- Ans  1. alertness
2. awareness
 3. aloofness
4. attentiveness

Question ID : 65497839575

Status : Answered

Chosen Option : 2

Comprehension:

Read the given passage and answer the questions that follow.

Floods are not new to India and this sub-continent, but in recent years the problem has received much greater attention perhaps largely because it has led to much greater damage than in the past. Even though information on the impending occurrence of floods is now more accurate and certainly timelier, often there is very little time or support infrastructure in place by which damage can be minimised. This is particularly true in the case of flash floods resulting from sudden and excessively heavy rain.

In the case of India, flooding is very much a function of the seasonal nature of our rainfall. The monsoons are spread over a short period during the year and often bring a concentrated volume of rain, which cannot be absorbed by the earth and finds outlet only in the form of streams that join up with our major river systems. But, flooding is not confined only to the main rivers of the country, often smaller tributaries and streams can cause heavy damage as well. Once these streams spill over their banks they could cause excessive harm, mainly because those living near the banks of these streams particularly in mountain areas do not have easy recourse to moving away quickly.

One major factor that could lead to a higher severity of flooding in the future is the danger of climate change. While the evidence of the nature of impacts resulting from climate change on precipitation and flooding at the regional level is not entirely clear, it could happen that the Indian subcontinent witnesses and suffers the effects of a significantly changed pattern of monsoons. One set of scientists has estimated that the monsoons could be shorter in duration, but far more intensive. In other words, much greater precipitation would take place in a much shorter period of time, thereby increasing the danger of floods. Climate change is the result of human actions through the increased concentration of greenhouse gases in the atmosphere, of which carbon dioxide is the most prominent.

At the local level also human actions have heightened the danger of flood through the cutting of trees in the mountains as well as in the plains. In the case of India, the ecological damage through deforestation of the Himalayas has led to large-scale erosion of the mountain slopes and high levels of siltation. This leads to deposition of silt on the riverbeds in the plains and hence spill-over of water whenever the volume in the river reaches a certain level. With siltation on the river beds, flooding occurs even at very shallow water levels. However, even in cases where forecasts have been timely and generally accurate, people have often been reluctant to move away, because in most cases they lack the means and physical options for moving away from a danger zone to one that is relatively safe. In the case of flash floods, forecasts are difficult to make, and often the time available for relief is very short.

SubQuestion No : 21

Q.21 Which of the following human actions increases the danger of flooding?

- Ans** ☒ 1. Concentration of carbon dioxide in the atmosphere
- ☐ 2. Timely and accurate weather forecasts
- ☒ 3. Lack of means for evacuating people
- ☐ 4. Deforestation in plains and mountains

Question ID : **65497839478**

Status : **Answered**

Chosen Option : **4**

Comprehension:

Read the given passage and answer the questions that follow.

Floods are not new to India and this sub-continent, but in recent years the problem has received much greater attention perhaps largely because it has led to much greater damage than in the past. Even though information on the impending occurrence of floods is now more accurate and certainly timelier, often there is very little time or support infrastructure in place by which damage can be minimised. This is particularly true in the case of flash floods resulting from sudden and excessively heavy rain.

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SubQuestion No : 22

Q.22 What causes flash floods?

- Ans** ☒ 1. Sudden light rain
- ☐ 2. Sudden excessive downpour
- ☒ 3. A short monsoon
- ☐ 4. A continual drizzle

Question ID : **65497839476**

Status : **Answered**

Chosen Option : **2**

Comprehension:

Read the given passage and answer the questions that follow.

Floods are not new to India and this sub-continent, but in recent years the problem has received much greater attention perhaps largely because it has led to much greater damage than in the past. Even though information on the impending occurrence of floods is now more accurate and certainly timelier, often there is very little time or support infrastructure in place by which damage can be minimised. This is particularly true in the case of flash floods resulting from sudden and excessively heavy rain.

In the case of India, flooding is very much a function of the seasonal nature of our rainfall. The monsoons are spread over a short period during the year and often bring a concentrated volume of rain, which cannot be absorbed by the earth and finds outlet only in the form of streams that join up with our major river systems. But, flooding is not confined only to the main rivers of the country, often smaller tributaries and streams can cause heavy damage as well. Once these streams spill over their banks they could cause excessive harm, mainly because those living near the banks of these streams particularly in mountain areas do not have easy recourse to moving away quickly.

One major factor that could lead to a higher severity of flooding in the future is the danger of climate change. While the evidence of the nature of impacts resulting from climate change on precipitation and flooding at the regional level is not entirely clear, it could happen that the Indian subcontinent witnesses and suffers the effects of a significantly changed pattern of monsoons. One set of scientists has estimated that the monsoons could be shorter in duration, but far more intensive. In other words, much greater precipitation would take place in a much shorter period of time, thereby increasing the danger of floods. Climate change is the result of human actions through the increased concentration of greenhouse gases in the atmosphere, of which carbon dioxide is the most prominent.

At the local level also human actions have heightened the danger of flood through the cutting of trees in the mountains as well as in the plains. In the case of India, the ecological damage through deforestation of the Himalayas has led to large-scale erosion of the mountain slopes and high levels of siltation. This leads to deposition of silt on the riverbeds in the plains and hence spill-over of water whenever the volume in the river reaches a certain level. With siltation on the river beds, flooding occurs even at very shallow water levels. However, even in cases where forecasts have been timely and generally accurate, people have often been reluctant to move away, because in most cases they lack the means and physical options for moving away from a danger zone to one that is relatively safe. In the case of flash floods, forecasts are difficult to make, and often the time available for relief is very short.

SubQuestion No : 23

Q.23 Which of the following is a consequence of siltation on river beds?

- Ans** ☒ 1. Relief from water spill-over
- ☐ 2. Flooding even at shallow water levels
- ☒ 3. Deforestation of the Himalayas
- ☐ 4. Erosion of the mountain slopes

Question ID : **65497839479**

Status : **Marked For Review**

Chosen Option : **2**

Comprehension:

Read the given passage and answer the questions that follow.

Floods are not new to India and this sub-continent, but in recent years the problem has received much greater attention perhaps largely because it has led to much greater damage than in the past. Even though information on the impending occurrence of floods is now more accurate and certainly timelier, often there is very little time or support infrastructure in place by which damage can be minimised. This is particularly true in the case of flash floods resulting from sudden and excessively heavy rain.

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SubQuestion No : 24

Q.24 Which of the following predictions made by certain scientists creates a larger threat of floods in India?

- Ans**  1. Increased water level in streams
2. Prolonged precipitation
-  3. Heavy monsoon over a shorter period than usual
4. Increase in greenhouse gases

Question ID : **65497839477**

Status : **Answered**

Chosen Option : **4**

Comprehension:

Read the given passage and answer the questions that follow.

Floods are not new to India and this sub-continent, but in recent years the problem has received much greater attention perhaps largely because it has led to much greater damage than in the past. Even though information on the impending occurrence of floods is now more accurate and certainly timelier, often there is very little time or support infrastructure in place by which damage can be minimised. This is particularly true in the case of flash floods resulting from sudden and excessively heavy rain.

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One major factor that could lead to a higher severity of flooding in the future is the danger of climate change. While the evidence of the nature of impacts resulting from climate change on precipitation and flooding at the regional level is not entirely clear, it could happen that the Indian subcontinent witnesses and suffers the effects of a significantly changed pattern of monsoons. One set of scientists has estimated that the monsoons could be shorter in duration, but far more intensive. In other words, much greater precipitation would take place in a much shorter period of time, thereby increasing the danger of floods. Climate change is the result of human actions through the increased concentration of greenhouse gases in the atmosphere, of which carbon dioxide is the most prominent.

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SubQuestion No : 25

Q.25 The problem of floods has recently received attention due to:

- Ans** ✓ 1. the severity of damage caused
 2. the silt deposition on river beds
 ✗ 3. the seasonal nature of floods
 4. the danger of climate change

Question ID : **65497839475**

Status : **Marked For Review**

Chosen Option : **2**

Section : Quantitative Aptitude

Q.1 In $\triangle PQR$, $\angle Q = 90^\circ$. $PQ = 8$ cm and $PR = 17$ cm. If the bisector of $\angle P$ meets QR at S , then what is the length (in cm) of SR ?

- Ans** ✗ 1. 12.4
 2. 9.6
 3. 10.2
 ✗ 4. 8.4

Question ID : **65497839600**

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

Chosen Option : **--**

Q.2 If $6 \cos^2 \theta + \cos \theta = 2, 0^\circ < \theta < 90^\circ$, then the value of $(\operatorname{cosec} \theta + \cot \theta + \tan \theta)$ is:

Ans

- 1. $3\sqrt{3}$
- 2. $2\sqrt{3}$
- ☒ 3. $6\sqrt{3}$
- 4. $4\sqrt{3}$

Question ID : **65497839500**

Status : **Answered**

Chosen Option : **3**

Q.3 If $x^4 + y^4 + x^2 y^2 = 21$ and $x^2 + y^2 - xy = 7$, then what is the value of $\frac{1}{x^2} + \frac{1}{y^2}$?

Ans

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

Question ID : **65497839701**

Status : **Answered**

Chosen Option : **4**

Q.4 A certain sum amounts to ₹14,641 in 4 years at 10% p. a. when interest is compounded annually. What will be the amount of the same sum (in ₹) in $3\frac{2}{5}$ years at the same rate at simple interest?

Ans

- ☒ 1. 13,400
- ☒ 2. 14,000
- 3. 13,200
- 4.

Question ID : **65497839491**

Status : **Not Answered**

Chosen Option : **--**

Q.5 Study the given graph and answer the question that follows.



The percentage increase in the sale of motorcycles in 2020 as compared to that in 2019 is below 15% for the dealer:

- Ans** ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : **65497839504**

Status : **Answered**

Chosen Option : 1

Q.6 To do a certain work, A is 40% more efficient than B. Working together; they can do the same work in 15 days. A started the work and left after 15 days. B and C together completed the remaining work in next 10 days. C alone can do one-third of the original work in:

- Ans** ☒ 1. 21 days
- ☒ 2.
- ☒ 3. 30 days
- ☒ 4.

Question ID : **65497839696**

Status : **Answered**

Chosen Option : 2

Q.7

- Ans** ☒ 1. $\frac{4+5\sqrt{15}}{2}$
- ☒ 2.
- ☒ 3. $\frac{8+5\sqrt{15}}{4}$
- ☒ 4. $\frac{16+5\sqrt{15}}{4}$

Question ID : **65497839603**

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

Chosen Option : --

Q.8 A sum of ₹6,300 is divided among A, B, C and D such that the ratio of the combined share of A and D to the combined share of B and C is 11 : 10 and the ratio of the shares of B and D is 8 : 9. If C receives ₹1,560, then what is the difference (in ₹) between the shares of A and B?

- Ans**
- 1. 160
 - 2. 120
 - ✗ 3.
 - 4. 240

Question ID : 65497839694

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

Chosen Option : --

Q.9 The cost price of two articles A and B is the same. Article A is sold at a loss of 24% and article B is sold for ₹270 more than the selling price of A. If the net profit by selling both the articles is 12%, then what is the selling price (in ₹) of article B?

- Ans**
- 1. 555
 - 2. 575
 - ✗ 3. 645
 - ✗ 4. 610

Question ID : 65497839488

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

Chosen Option : --

Q.10 A race track is in the shape of a ring whose inner and outer circumferences are 880 m and 1012 m, respectively. What is the area (in m^2) of the track? (Take $\pi = \frac{22}{7}$)

- Ans**
- 1. 25284
 - ✗ 2. 26488
 - ✓ 3. 19866
 - ✗ 4. 13244

Question ID : 65497839596

Status : **Answered**

Chosen Option : 3

Q.11 The monthly expenditure of a person is 40% more than his monthly savings. If his monthly income increases by 40% and monthly expenditure increases by 60%, then he saves ₹2,070 more in a month. What is his initial monthly expenditure (in ₹)?

- Ans**
- 1. 20,250
 - ✗ 2. 22,425
 - ✓ 3.
 - 4. 19,320

Question ID : 65497839690

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

Chosen Option : --

Q.12 If the 9-digit number $957x5y6z3$ is divisible by 33, then what is the maximum value of $(x + y + z)$?

- Ans ☒ 1. 24
☒ 2.
☒ 3. 25
☒ 4.

Question ID : **65497839583**
Status : **Answered**
Chosen Option : **3**

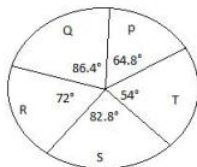
Q.13 The average of 28 numbers is 52.5. The average of the first 12 numbers is 48.8 and that of the next 13 numbers is 45.8. If the other 3 numbers are excluded, then what is the average of the remaining numbers?

- Ans ☒ 1. 46.42
☒ 2. 47.24
☒ 3.
☒ 4. 51.24

Question ID : **65497839584**
Status : **Answered**
Chosen Option : **4**

Q.14 Study the given pie chart and answer the question that follows.

The pie chart shows the distribution (degree-wise) of the students who appeared in the annual examination from institutes P, Q, R, S and T in 2020. The total number of students who appeared is 3000.



The average number of students who appeared in the examination from the institutes Q, S and T exceeds the number of students who appeared from institute R by x . The value of x lies between:

- Ans ☒ 1.
☒ 2. 18 to 22
☒ 3.
☒ 4. 9 to 14

Question ID : **65497839706**
Status : **Not Answered**
Chosen Option : **--**

Q.15

- Ans ☒ 1.
☒ 2. 10 cm
☒ 3. 9 cm
☒ 4.

Question ID : **65497839703**
Status : **Not Answered**
Chosen Option : **--**

Q.16 When the price of a commodity increased by 23%, a family reduced its consumption in such a way that the expenditure on it was only 5% more. By what percentage has the family reduced the consumption of the commodity (correct to one decimal place)?

- Ans**
- 1. 14.2%
 - ☒ 2. 15.2%
 - ☒ 3. 15.8%
 - 4. 14.6%

Question ID : **65497839587**
Status : **Answered**
Chosen Option : **4**

Q.17 The average weight of some persons in a group is 76 kg. If 15 persons with average weight 72 kg join the group or 5 persons with average weight 84 kg leave the group, the average weight of the persons in the group in both cases is the same. How many persons were there in the group, initially?

- Ans**
- 1. 25
 - ☒ 2. 45
 - ☒ 3.
 - 4. 30

Question ID : **65497839687**
Status : **Not Answered**
Chosen Option : --

Q.18

- Ans**
- 1. $\frac{26}{81}$
 - ☒ 2.
 - ☒ 3. $\frac{455}{729}$
 - ☒ 4. $\frac{8}{27}$

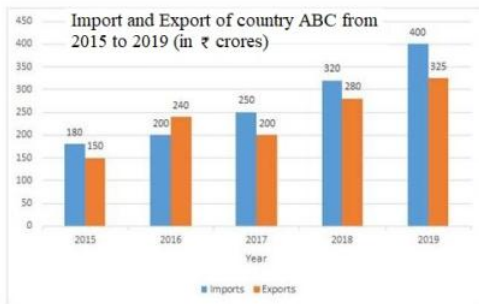
Question ID : **65497839597**
Status : **Answered**
Chosen Option : **2**

Q.19 The sum of 3-digit numbers abc, bca and cab is always divisible by:

- Ans**
- ☒ 1.
 - ☒ 2.
 - 3. 37
 - 4. 31

Question ID : **65497839480**
Status : **Answered**
Chosen Option : **3**

Q.20 Study the given graph and answer the question that follows.



The average exports of country ABC in 2015, 2017 and 2018 are what percentage of the total imports from 2015 to 2018 (correct to one decimal place)?

- Ans**
1. 22.8%
 2. 20.6%
 - ✗ 3. 24.4%
 4. 22.1%

Question ID : 65497839605

Status : Answered

Chosen Option : 4

Q.21 A dealer marks an article 40% above its cost price, and sells it by giving two successive discounts of 15% and 25% on the marked price. If he suffers a loss of ₹43, then the marked price (in ₹) of the article is:

- Ans**
- 1.
 - 2.
 3. 420
 - ✗ 4. 480

Question ID : 65497839586

Status : Not Answered

Chosen Option : --

Q.22 If $x^2 + 9y^2 = 40$ and $xy = 4$, where $x > 0, y > 0$, then what is the value of $(x^3 + 27y^3)$?

- Ans**
1. 224
 - ✗ 2. 800
 - ✗ 3. 416
 - ✗ 4. 440

Question ID : 65497839748

Status : Answered

Chosen Option : 1

Q.23 A sum of ₹2,310 is divided between A, B and C such that the ratio of the shares of B and C is 3 : 5 and the ratio of the shares of C and A is 4 : 9. What is the difference (in ₹) between the shares of A and C?

- Ans** ☒ 1.
- ☒ 2. 750
- ☒ 3. 450
- ☒ 4. 240

Question ID : **65497839591**

Status : **Not Answered**

Chosen Option : --

Q.24 A and B run on a circular path of perimeter 1200 m at different speeds. If they start at the same time and from the same place, but run in opposite directions, they meet for the first time in 3 minutes. If the speed of B is 10.8 km/h, then what is the speed (in km/h) of A?

- Ans** ☒ 1.
- ☒ 2. 13.2
- ☒ 3. 12.5
- ☒ 4.

Question ID : **65497839595**

Status : **Not Answered**

Chosen Option : --

Q.25 A shopkeeper fixes the selling price of an article 20% above its cost. If the cost price increases by 20% and he increases the selling price by 16%, then his profit percentage (on the increased cost) is:

- Ans** ☒ 1. 16%
- ☒ 2. 20%
- ☒ 3. 15%
- ☒ 4. 24%

Question ID : **65497839589**

Status : **Answered**

Chosen Option : 1

Section : **General awareness**

Q.1 The Muslim League announced _____ 1946 as 'Direct Action Day'.

- Ans** ☒ 1. 28 August
- ☒ 2. 16 August
- ☒ 3. 21 September
- ☒ 4. 18 August

Question ID : **65497839623**

Status : **Answered**

Chosen Option : 2

Q.2 The United Nations Conference on Environment and Development (UNCED) which adopted 'Agenda 21' was held at:

- Ans**
- 1. Paris
 - ☒ 2. Stockholm
 - 3. New Delhi
 - 4. Rio de Janeiro

Question ID : **65497839513**
Status : **Answered**
Chosen Option : 1

Q.3 Which of the following Schemes was launched by the Ministry of Tourism?

- Ans**
- 1. HRIDAY
 - ☒ 2. Swadesh Darshan
 - 3. AMRUT
 - ☒ 4. Museum Grant

Question ID : **65497839509**
Status : **Not Answered**
Chosen Option : --

Q.4 Which of the following festivals is NOT observed on a full moon day?

- Ans**
- 1. Eid-al-Fitr
 - ☒ 2. Shab-e-Barat
 - 3. Buddha Jayanti
 - ☒ 4. Rakshabandhan

Question ID : **65497839608**
Status : **Answered**
Chosen Option : 1

Q.5 Which of the following states does NOT share its border with Bangladesh?

- Ans**
- 1. Tripura
 - 2. Nagaland
 - 3. Meghalaya
 - 4. Assam

Question ID : **65497839620**
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.6 The tomb Chini-Ka-Rauza is located in _____.

- Ans**
- 1. Agra
 - ☒ 2. Bhopal
 - 3. Aurangabad
 - ☒ 4. Sikri

Question ID : **65497839711**
Status : **Not Answered**
Chosen Option : --

Q.7 Which of the following statements is/are INCORRECT?

A: Kuttanad is in the state of Karnataka.

B: Kuttanad Agriculture System favours rice cultivation below sea level.

C: Kuttanad is a Ramsar site and a reputed destination for water tourism.

Ans  1. A, B and C

2. Only C

 3. Only A

4. Only A and B

Question ID : 65497839720

Status : Not Answered

Chosen Option : --

Q.8 The Union Budget 2021 announced the privatization of _____ public sector banks and one general insurance company in the upcoming fiscal year 2021-22.

Ans 1. four

 2. three

 3. five

4. two

Question ID : 65497839612

Status : Answered

Chosen Option : 2

Q.9 What was the result of the Test series (February-March 2021) between India and England Men's cricket team?

Ans 1. India won 3-1

 2. It was a draw 2-2

3. India won 2-1

 4. England won 2-1

Question ID : 65497839529

Status : Marked For Review

Chosen Option : 3

Q.10 The exaggerated response of the _____ system to certain antigens present in the environment is called allergy.

Ans 1. nervous

 2. immune

3. digestive

 4. cardiovascular

Question ID : 65497839616

Status : Answered

Chosen Option : 2

Q.11 Which of the given statements is/are correct?

- (a) The Comptroller and Auditor General (CAG) is appointed by the President of India.
(b) The CAG shall only be removed from office in like manner and on the like grounds as a Judge of the Supreme Court.
(c) The CAG shall not be eligible for further office either under the Government of India or under the Government of any State after he/she has ceased to hold his/her office.

Ans 1. (a) and (b), but not (c)

☒ 2. (a) and (c), but not (b)

3. (a), (b) and (c)

☒ 4. Only (a)

Question ID : 65497839629

Status : Answered

Chosen Option : 1

Q.12 With reference to the literary creations of ancient India, which of the following pairs is correct?

Ans ☒ 1. Mrichchhakatika - Panini

☒ 2. K dambari - Kautilya

3. M lavik gnimitram - Vishnu Sharma

☒ 4. Mudrarakshasa - Vishakhadatta

Question ID : 65497839723

Status : Not Answered

Chosen Option : --

Q.13 Whose autobiography is the book 'By God's Decree'?

Ans 1. Kapil Dev

☒ 2. Alyque Padamsee

3. Raj Kapoor

☒ 4. Mohinder Amarnath

Question ID : 65497839625

Status : Not Answered

Chosen Option : --

Q.14 A _____ performance begins with the kelikottu, calling the audience to attention followed by the todayam.

Ans ☒ 1. Kathak

2. Sattriya

☒ 3. Kuchipudi

☒ 4. Kathakali

Question ID : 65497839505

Status : Not Answered

Chosen Option : --

Q.15 Who addressed the Congress as President in 1887 thus - "This Congress is composed of the representatives, not of any one class or community of India, but of all the different communities of India"?

- Ans ☒ 1. Surendranath Banerjee
☒ 2. Badruddin Tyabji
3. Gopal Krishna Gokhale
☒ 4. Dadabhai Naoroji

Question ID : 65497839624
Status : Not Answered
Chosen Option : --

Q.16 The 1st anniversary of starting of a new Central Sector Scheme, namely, the Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) was in _____.

- Ans 1. February 2020
2. February 2021
☒ 3. February 2019
4. February 2018

Question ID : 65497839610
Status : Answered
Chosen Option : 2

Q.17 Al Biruni's Kitab-ul-Hind was written in _____.

- Ans ☒ 1. Urdu
2. Turkish
☒ 3. Persian
☒ 4. Arabic

Question ID : 65497839520
Status : Answered
Chosen Option : 2

Q.18 Which of the following is a unit of energy?

- Ans ☒ 1. volt
☒ 2. joule/sec
3. kilowatt-hour
☒ 4. Pascal

Question ID : 65497839613
Status : Answered
Chosen Option : 2

Q.19 The 51st Dadasaheb Phalke awardee is _____.

- Ans
- 1. Shyam Benegal
 - ☒ 2. Amitabh Bachchan
 - ☒ 3. Rajinikanth
 - 4. Gulzar

Question ID : 65497839729
Status : Not Answered
Chosen Option : --

Q.20 Algae would generally NOT be found residing in which of the following?

- Ans
- 1. Soil
 - 2. Fresh water
 - ☒ 3. Dry stone
 - 4. Wood

Question ID : 65497839716
Status : Answered
Chosen Option : 3

Q.21 Inland streams which do NOT drain out into sea are generally found in which state of India?

- Ans
- 1. Madhya Pradesh
 - ☒ 2. Punjab
 - 3. Bihar
 - 4. Rajasthan

Question ID : 65497839617
Status : Answered
Chosen Option : 4

Q.22 Who among the following scientists is famous for her notable work on sugarcane and eggplant?

- Ans
- 1. Asima Chatterjee
 - ☒ 2. Kamala Sohonie
 - 3. Janaki Ammal
 - ☒ 4. Soumya Swaminathan

Question ID : 65497839524
Status : Not Answered
Chosen Option : --

Q.23 The Central Administrative Tribunals Act owes its origin to Article _____ of the Constitution of India.

Ans 1. 323-A

 2. 322

3. 325-A

 4. 324

Question ID : **65497839730**
Status : **Marked For Review**
Chosen Option : 1

Q.24 The 42nd Amendment of the Constitution of India was passed in the year _____.

Ans 1. 1976

 2. 1977

3. 1978

 4. 1975

Question ID : **65497839630**
Status : **Answered**
Chosen Option : 1

Q.25 According to the Census of 2011, which of the following has the second highest literacy rate in India?

Ans 1. Kerala

 2. Goa

3. Puducherry

 4. Lakshadweep

Question ID : **65497839517**
Status : **Answered**
Chosen Option : 3