

Test Date	11/12/2023
Test Time	9:00 AM - 12:00 PM
Subject	02 Political Science

Section : General Paper

Comprehension:

Table-1 below shows the state-wise foreign investments (in ₹ crore) in the year 2022 and Table-2 shows the percentage (%) distribution of investments in different sectors for each state. Based on the data in the tables, answer the questions that follow.

Table-1: State-wise Details of Foreign Investment

State	Foreign Investment (in ₹ Crore)
Rajasthan	3120
Madhya Pradesh (MP)	3560
Gujarat	3940
Tamil Nadu (TN)	1380
Andhra Pradesh (AP)	1460
Delhi	1660
Haryana	3880

Table-2: Sector-wise Distribution of investment for each state

Percentage (%) Distribution of Investment for each state in					
Defence	Telecom	Insurance	Pharmaceuticals	Construction	Others
25.6%	13.5%	18.5%	8.5%	14.4%	19.5%

SubQuestion No : 1

Q.1

The foreign investment in Insurance sector in Rajasthan is approximately _____% of the foreign investment in Construction sector in Haryana.

1. 101
2. 108
3. 107
4. 103

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 22742718714

Option 1 ID : 22742772905

Option 2 ID : 22742772906

Option 3 ID : 22742772907

Option 4 ID : 22742772908

Status : Answered

Chosen Option : 2

Comprehension:

Table-1 below shows the state-wise foreign investments (in ₹ crore) in the year 2022 and Table-2 shows the percentage (%) distribution of investments in different sectors for each state. Based on the data in the tables, answer the questions that follow.

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SubQuestion No : 2

Q.2

What is the total foreign investment (in ₹ crore) in 'Others' sector in all the seven states together?

1. 3297
2. 3505
3. 3705
4. 3905

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718713**

Option 1 ID : **22742772901**

Option 2 ID : **22742772902**

Option 3 ID : **22742772903**

Option 4 ID : **22742772904**

Status : **Answered**

Chosen Option : **1**

Comprehension:

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SubQuestion No : 3

Q.3

For which of the following pair of states, the ratio of foreign investment in Defence sector is 52 : 23?

1. Rajasthan, TN
2. Haryana, TN
3. MP, AP
4. MP, TN

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 22742718716

Option 1 ID : 22742772913

Option 2 ID : 22742772914

Option 3 ID : 22742772915

Option 4 ID : 22742772916

Status : Answered

Chosen Option : 4

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25.6%	13.5%	18.5%	8.5%	14.4%	19.5%

SubQuestion No : 4

Q.4

What is the difference (in ₹ crore) between the foreign investment in Defence sector in Gujarat and in Construction and Insurance sectors together in MP?

1. 142.8
2. 184.4
3. 176.2
4. 162.6

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **22742718717**

Option 1 ID : **22742772917**

Option 2 ID : **22742772918**

Option 3 ID : **22742772919**

Option 4 ID : **22742772920**

Status : **Answered**

Chosen Option : **2**

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25.6%	13.5%	18.5%	8.5%	14.4%	19.5%

SubQuestion No : 5

Q.5 The foreign investment in Pharmaceutical sector in AP is approximately _____% less than the foreign investment in Telecom sector in Delhi.

1. 47.6
2. 44.6
3. 49.6
4. 45.8

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**
Question ID : **22742718715**
Option 1 ID : **22742772909**
Option 2 ID : **22742772910**
Option 3 ID : **22742772911**
Option 4 ID : **22742772912**
Status : **Answered**
Chosen Option : **1**

Q.6 "No one has been ever able to prove that Glaciers in the arctic region are melting because of Global warming. Therefore, glaciers in the arctic region must be melting on their own." Which fallacy is committed in the above statement?

1. Fallacy of Accident
2. Slippery Slope
3. Hasty Generalisation
4. Appeal to Ignorance

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**
Question ID : **22742718741**
Option 1 ID : **22742773013**
Option 2 ID : **22742773014**
Option 3 ID : **22742773015**
Option 4 ID : **22742773016**
Status : **Answered**
Chosen Option : **3**

Q.7

When a water body is deficient in nutrients, it is known as

1. Oligotrophic
2. Eutrophic
3. Mesotrophic
4. Dystrophic

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718748**

Option 1 ID : **22742773041**

Option 2 ID : **22742773042**

Option 3 ID : **22742773043**

Option 4 ID : **22742773044**

Status : **Answered**

Chosen Option : **2**

Q.8 In a certain coding language:

a) 'AMAN' is coded as 29

b) 'RAMAN' is coded as 47

How 'SHAM' will be coded in that language?

1. 43
2. 28
3. 41
4. 37

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718737**

Option 1 ID : **22742772997**

Option 2 ID : **22742772998**

Option 3 ID : **22742772999**

Option 4 ID : **22742773000**

Status : **Answered**

Chosen Option : **3**

Q.9

Who among the following opposed the implementation of western system of education in India?

1. William Adam
2. Lord Canning
3. Mrs. Annie Besant
4. B.L. Rice

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718753**

Option 1 ID : **22742773061**

Option 2 ID : **22742773062**

Option 3 ID : **22742773063**

Option 4 ID : **22742773064**

Status : **Answered**

Chosen Option : **2**

Q.10

Which of the following is not the objective of teaching?

1. To help students to become better thinkers
2. To facilitate the development of problem solving ability among students.
3. To follow a rigid teaching plan
4. To help learner, adjust his perceptions to reality, attaining harmony between internal and external experiences

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718721**

Option 1 ID : **22742772933**

Option 2 ID : **22742772934**

Option 3 ID : **22742772935**

Option 4 ID : **22742772936**

Status : **Answered**

Chosen Option : **3**

Q.11

Given below are two statements:

Statement I: Communication media are neither neutral nor value free containers that carry information to different places.

Statement II: No Communication technology has its own unique set of physical, technical, symbolic and environmental characteristics.

In the light of the above statements, choose the correct answer from the options given below

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718732**

Option 1 ID : **22742772977**

Option 2 ID : **22742772978**

Option 3 ID : **22742772979**

Option 4 ID : **22742772980**

Status : **Answered**

Chosen Option : **1**

Q.12

Who among the following are said to have had their education at Takshashilla?

- A. Sri Chaitanya
- B. Panini
- C. Nagarjuna
- D. Chanakya

Choose the **correct** answer from the options given below:

1. (A) and (C) only.
2. (B), (C) and (D) only.
3. (A), (B) and (C) only.
4. (B) and (D) only.

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718756**

Option 1 ID : **22742773073**

Option 2 ID : **22742773074**

Option 3 ID : **22742773075**

Option 4 ID : **22742773076**

Status : **Answered**

Chosen Option : **3**

Q.13

Given below are two statements:

Statement (I): In a reference written in APA style, the first name of an author is written first.

Statement (II): In a reference written in APA style, the year of the publication is written after the page number.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718724**

Option 1 ID : **22742772945**

Option 2 ID : **22742772946**

Option 3 ID : **22742772947**

Option 4 ID : **22742772948**

Status : **Answered**

Chosen Option : **1**

Q.14 Given below are two statements:

statement I: Denial-of-Service (DoS) attack is the large number of requests sent at the same time to the web server, thereby causing the server to crash.

statement II: Virus is a self-replicating malicious software causing computer to run slowly.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718745**

Option 1 ID : **22742773029**

Option 2 ID : **22742773030**

Option 3 ID : **22742773031**

Option 4 ID : **22742773032**

Status : **Answered**

Chosen Option : **1**

Q.15

If the statement "All trucks are polluting vehicles" is given as true, which of the following statements could be immediately inferred to be false?

- A. Some trucks are polluting vehicles.
- B. Some polluting vehicles are trucks.
- C. Some trucks are not polluting vehicles.
- D. No trucks are polluting vehicles.

Choose the **correct** answer from the options given below:

1. (C) and (D) only.
2. (A) and (B) only.
3. (B) and (C) only.
4. (A) and (C) only.

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718739**

Option 1 ID : **22742773005**

Option 2 ID : **22742773006**

Option 3 ID : **22742773007**

Option 4 ID : **22742773008**

Status : **Answered**

Chosen Option : **1**

Q.16

Two persons X and Y can do a piece of work in n days. If X alone can complete the work in (n+3) days and Y alone can do the work in (n+12) days, find the value of n.

1. 6
2. 10
3. 7
4. 5

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718733**

Option 1 ID : **22742772981**

Option 2 ID : **22742772982**

Option 3 ID : **22742772983**

Option 4 ID : **22742772984**

Status : **Answered**

Chosen Option : **4**

Q.17

According to classical Indian school of logic which of the following are names of fallacies involving contradiction of the middle term by another middle term?

- A. Svarupāsiddha
- B. Bādhita
- C. Vyāpyatvāsiddha
- D. Viruddha

Choose the **correct** answer from the options given below:

1. (B) and (D) only.
2. (A) and (C) only.
3. (C) and (D) only
4. (C) only.

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718742**

Option 1 ID : **22742773017**

Option 2 ID : **22742773018**

Option 3 ID : **22742773019**

Option 4 ID : **22742773020**

Status : **Answered**

Chosen Option : **1**

Q.18 Which among the following types of variables can NOT be rank ordered?

1. nominal
2. ordinal
3. interval
4. ratio

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718726**

Option 1 ID : **22742772953**

Option 2 ID : **22742772954**

Option 3 ID : **22742772955**

Option 4 ID : **22742772956**

Status : **Answered**

Chosen Option : **1**

Q.19 According to the Hindu tradition, the purpose of good communication is to

1. create social groups
2. produce tasteful entertainment
3. make people seek enlightenment
4. offer an insight into materialism

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718728**

Option 1 ID : **22742772961**

Option 2 ID : **22742772962**

Option 3 ID : **22742772963**

Option 4 ID : **22742772964**

Status : **Answered**

Chosen Option : **3**

Q.20 What number would replace question mark (?) in the series given below?

1, 6, 18, 44, 98, 208, 430, ?

1. 638
2. 876
3. 896
4. 999

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718736**

Option 1 ID : **22742772993**

Option 2 ID : **22742772994**

Option 3 ID : **22742772995**

Option 4 ID : **22742772996**

Status : **Answered**

Chosen Option : **2**

Q.21 Which of the following statements is equivalent to the statement- "Some non-realists are not non-philosophers."?

1. Some philosophers are not realists.
2. No philosophers are realists.
3. Some realists are philosophers.
4. Some philosophers are realists.

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718740**

Option 1 ID : **22742773009**

Option 2 ID : **22742773010**

Option 3 ID : **22742773011**

Option 4 ID : **22742773012**

Status : **Answered**

Chosen Option : **3**

Q.22

Which VLOOKUP in MS-EXCEL, when entered into cell L2 and then dragged to cell L5, returns the average number of calls for representative IDs listed in column J?

	A	B	C	J	K	L
1	Representative ID Number	Avg.Call Length (Mins.)	Avg.Number of calls	Representative ID Number	Hire Date	Avg.Number of calls
2	41186	9.3	139.2	44389	9/29/19	
3	41888	6.1	132.4	41888	9/24/19	
4	42434	7.5	129.5	42886	6/10/15	
5	42886	8.3	136.0	41186	11/17/19	
6	43027	4.9	126.9			
7	44389	7.0	108.8			

1. =VLOOKUP (A2, J2:L5, 1,FALSE)
2. =VLOOKUP (J2, A\$2:C\$7, 1,FALSE)
3. =VLOOKUP (J2, A\$2:C\$7, 3,FALSE)
4. =VLOOKUP (J2, A2:C7, 3, FALSE)

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718744**

Option 1 ID : **22742773025**

Option 2 ID : **22742773026**

Option 3 ID : **22742773027**

Option 4 ID : **22742773028**

Status : **Answered**

Chosen Option : **2**

Q.23 The maximum amount of information sent over a channel within a specific period of time reflects

1. Communication process
2. Information overload
3. Transmission barriers
4. Channel capacity

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718729**

Option 1 ID : **22742772965**

Option 2 ID : **22742772966**

Option 3 ID : **22742772967**

Option 4 ID : **22742772968**

Status : **Answered**

Chosen Option : **4**

Q.24

Which of the following autonomous scientific institutions come under the financial umbrella of the Department of Science and Technology?

- A. Bose Institute, Kolkata.
- B. Agarkar Research Institute, Pune
- C. Raman Research Institute, Bangalore.
- D. Wadia Institute of Himalayan Geology, Dehradun.
- E. Indian Council of Astrological science, Bangalore.

Choose the correct answer from the options given below:

Choose the **correct** answer from the options given below:

- 1. (A), (B) and (E) only.
- 2. (B), (D) and (E) only.
- 3. (C), (D) and (E) only
- 4. (A), (B), (C) and (D) only.

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **22742718755**

Option 1 ID : **22742773069**

Option 2 ID : **22742773070**

Option 3 ID : **22742773071**

Option 4 ID : **22742773072**

Status : **Answered**

Chosen Option : **4**

Q.25

Which of the following facilities are available in word-processing software such as MS-WORD?

- A. Find and Replace
- B. Mail Merge
- C. Spell check and thesaurus
- D. Automatic Recalculation

Choose the **correct** answer from the options given below:

- 1. (A), (B) and (C) only.
- 2. (B) and (C) only.
- 3. (C) and (D) only
- 4. (A), (B) and (D) only.

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **22742718747**

Option 1 ID : **22742773037**

Option 2 ID : **22742773038**

Option 3 ID : **22742773039**

Option 4 ID : **22742773040**

Status : **Answered**

Chosen Option : **4**

Q.26

Given below are two statements:

Statement (I): Edpuzzle is a tool used for mind mapping in education.

Statement (II): Mindmeister is a tool used for creating interactive videos in education.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718722**

Option 1 ID : **22742772937**

Option 2 ID : **22742772938**

Option 3 ID : **22742772939**

Option 4 ID : **22742772940**

Status : **Answered**

Chosen Option : **3**

Q.27

A girl walks straight in the opposite direction of the front door of her house. The front door of the house is facing towards south. After walking for 50 meters, the girl turns to her left and walks 100 meters, thereafter the girl turns right and stops after walking for 100 meters. Which direction the girl is facing now?

1. North
2. South
3. North-west
4. North-east

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718735**

Option 1 ID : **22742772989**

Option 2 ID : **22742772990**

Option 3 ID : **22742772991**

Option 4 ID : **22742772992**

Status : **Answered**

Chosen Option : **4**

Q.28 A man, while pointing towards a lady, said, "Her husband is the only son of my mother". How is the man related to the lady?

1. Husband
2. Son
3. Father-in-law
4. Brother-in-law

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718734**

Option 1 ID : **22742772985**

Option 2 ID : **22742772986**

Option 3 ID : **22742772987**

Option 4 ID : **22742772988**

Status : **Answered**

Chosen Option : **4**

Q.29

Discovery of Ozone hole was first made over

1. Arctic
2. Equator
3. Antarctic
4. Tropics

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718749**

Option 1 ID : **22742773045**

Option 2 ID : **22742773046**

Option 3 ID : **22742773047**

Option 4 ID : **22742773048**

Status : **Answered**

Chosen Option : **2**

Q.30

Which of the following are true in the case of metacommunication?

- (A). It is intentional.
- (B). It is not always intentional.
- (C). It often takes place spontaneously.
- (D). It can modify itself.
- (E). It decontextualises itself.

Choose the **correct** answer from the options given below:

1. (A), (B) and (C) only.
2. (B), (C) and (D) only.
3. (C), (D) and (E) only.
4. (A), (D) and (E) only.

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **22742718730**

Option 1 ID : **22742772969**

Option 2 ID : **22742772970**

Option 3 ID : **22742772971**

Option 4 ID : **22742772972**

Status : **Answered**

Chosen Option : **3**

Q.31

Which of the following are the National coordinators for the production of best quality content in SWAYAM?

- (A). NCTE
- (B). AICTE
- (C). IGNOU
- (D). UGC
- (E). CEC

Choose the **correct** answer from the options given below:

1. (A), (B), (D) and (E) only.
2. (B), (C), (D) and (E) only.
3. (B) and (C) only
4. (A) and (D) only.

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718720**

Option 1 ID : **22742772929**

Option 2 ID : **22742772930**

Option 3 ID : **22742772931**

Option 4 ID : **22742772932**

Status : **Answered**

Chosen Option : **1**

Q.32

Given below are two statements:

Statement I: A nuclear power reactor is a system designed to sustain a fission chain reaction and extract useful energy.

statement II: Light water reactors use ordinary water as the moderator.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718751**

Option 1 ID : **22742773053**

Option 2 ID : **22742773054**

Option 3 ID : **22742773055**

Option 4 ID : **22742773056**

Status : **Answered**

Chosen Option : **1**

Q.33

In 1902, in a telegram to Hamilton, who among the following proposed to appoint Indian Universities commission with six permanent members?

1. S.H. Wood
2. A. Abbott
3. Lord Curzon
4. Lord Macaulay

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718757**

Option 1 ID : **22742773077**

Option 2 ID : **22742773078**

Option 3 ID : **22742773079**

Option 4 ID : **22742773080**

Status : **Answered**

Chosen Option : **4**

Q.34

Given below are two statements:

Statement I: Composting is aerobic degradation of organic materials under controlled conditions, yielding a marketable manure.

Statement II: In such composts, concentrations of key nutrients such as nitrogen, phosphorous and potassium are sufficient enough to compete with commercial fertilizers.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

Options

1. 1
2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718752**

Option 1 ID : **22742773057**

Option 2 ID : **22742773058**

Option 3 ID : **22742773059**

Option 4 ID : **22742773060**

Status : **Answered**

Chosen Option : **1**

Q.35

Match List-I with List-II

List-I (Types of Research / study)	List-II (Description)
(A). Basic Research	(I). Investigations meant to discover whether variables covary
(B). Correlational Research	(II). An indepth study of a single or a few individuals to see how changes affect the person's behaviour
(C). Case study	(III). A group of participants is observed and measured over time
(D). Longitudinal study	(IV). A study / research that tests or expands on theory

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
2. (A) - (IV), (B) - (I), (C) - (II), (D) - (III)
3. (A) - (III), (B) - (I), (C) - (II), (D) - (IV)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718725**

Option 1 ID : **22742772949**

Option 2 ID : **22742772950**

Option 3 ID : **22742772951**

Option 4 ID : **22742772952**

Status : **Answered**

Chosen Option : **2**

Q.36 Which of the following is not a benefit of Mind Mapping?

1. Improving memory retention
2. Enhancing creativity and problem solving skills
3. Reducing stress and anxiety
4. Making information more difficult to comprehend

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718718**

Option 1 ID : **22742772921**

Option 2 ID : **22742772922**

Option 3 ID : **22742772923**

Option 4 ID : **22742772924**

Status : **Answered**

Chosen Option : **4**

Q.37

Which of the following statements about quantum computing are correct?

- A. Principles of quantum physics are applied in it.
- B. Quantum bits (qubits) are used as the information unit.
- C. Quantum Computers emit radiation fatal to humans/users.

Choose the **correct** answer from the options given below:

- 1. (A) and (B) only.
- 2. (A) and (C) only.
- 3. (B) and (C) only.
- 4. (A), (B) and (C).

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **22742718746**

Option 1 ID : **22742773033**

Option 2 ID : **22742773034**

Option 3 ID : **22742773035**

Option 4 ID : **22742773036**

Status : **Answered**

Chosen Option : **3**

Q.38 A Media Access Control (MAC) address refers to a number which uniquely identifies a device on the Internet and is usually made up of _____ bits.

- 1. 16
- 2. 32
- 3. 48
- 4. 128

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **22742718743**

Option 1 ID : **22742773021**

Option 2 ID : **22742773022**

Option 3 ID : **22742773023**

Option 4 ID : **22742773024**

Status : **Answered**

Chosen Option : **4**

Q.39

Which of the following statements are so related that if one of them is false, the other must be true, even though both of them can be true?

- A. Some cars are e-vehicles.
- B. Some cars are not e-vehicles
- C. No cars are e-vehicles.
- D. All cars are e-vehicles.

Choose the correct answer from the options given below:

- 1. (A) and (B) only.
- 2. (B) and (C) only.
- 3. (A) and (C) only.
- 4. (C) and (D) only.

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **22742718738**

Option 1 ID : **22742773001**

Option 2 ID : **22742773002**

Option 3 ID : **22742773003**

Option 4 ID : **22742773004**

Status : **Answered**

Chosen Option : **1**

Q.40

Which of the following are not the characteristics of Adolescent learners?

- A. They have uniformity in their physical development.
- B. They have stable self-concepts.
- C. They often experience mood swings and emotional turmoil.
- D. They have high hopes and aspirations for their future.
- E. They have increased peer group pressure.

Choose the **correct** answer from the options given below:

- 1. A, C, D and E only
- 2. C and D only
- 3. B, C and E only
- 4. A and B only

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **22742718719**

Option 1 ID : **22742772925**

Option 2 ID : **22742772926**

Option 3 ID : **22742772927**

Option 4 ID : **22742772928**

Status : **Answered**

Chosen Option : **4**

Q.41

Identify the characteristics of open ended questions in survey research:

- A. The questions suggest certain kinds of answer to the respondents.
- B. They are useful for exploring new areas.
- C. They are time consuming for interviewers to administer.

Choose the **correct** answer from the options given below:

- 1. (A) and (B) only.
- 2. (B) and (C) only.
- 3. (A) and (C) only
- 4. (A), (B) and (C)

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **22742718723**

Option 1 ID : **22742772941**

Option 2 ID : **22742772942**

Option 3 ID : **22742772943**

Option 4 ID : **22742772944**

Status : **Answered**

Chosen Option : **2**

Q.42

What is the correct increasing order of prescribed limits for following pollutants on 24 hours basis in residential areas by CPCB?

- A. Suspended Particulate Matter (SPM)
- B. Respirable Suspended Particulate Matter (RSPM)
- C. Lead (pb)
- D. Ammonia (NH₃)

Choose the correct answer from the option given below:

- 1. (A), (B), (C), (D).
- 2. (B), (A), (C), (D).
- 3. (C), (D), (B), (A).
- 4. (C), (B), (A), (D).

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **22742718750**

Option 1 ID : **22742773049**

Option 2 ID : **22742773050**

Option 3 ID : **22742773051**

Option 4 ID : **22742773052**

Status : **Answered**

Chosen Option : **2**

Q.43

The Indian university Act, 1904, was passed during the period of _____ as viceroy.

1. Lord Wellesley
2. Lord Ripon
3. Lord Curzon
4. Lord Chelmsford

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718754**

Option 1 ID : **22742773065**

Option 2 ID : **22742773066**

Option 3 ID : **22742773067**

Option 4 ID : **22742773068**

Status : **Answered**

Chosen Option : **2**

Q.44

Given below are two statements:

statement I: In the modern day world, language is an effective instrument of communication.

statement II: The Buddhists regard language as an important social practice.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718731**

Option 1 ID : **22742772973**

Option 2 ID : **22742772974**

Option 3 ID : **22742772975**

Option 4 ID : **22742772976**

Status : **Answered**

Chosen Option : **1**

Q.45

According to UGC regulations 2018 on plagiarism, level 3 plagiarism refers to similarities

1. above 60%
2. below 10%
3. above 10% to 30%
4. above 40% to 60%

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **22742718727**

Option 1 ID : **22742772957**

Option 2 ID : **22742772958**

Option 3 ID : **22742772959**

Option 4 ID : **22742772960**

Status : **Answered**

Chosen Option : **1**

Comprehension:

Read the passage and answer the questions that follow:

Based on molecular evidence, we know life evolved from one common ancestor around three billion years ago. From then, evolution progressed, slowly to begin with - in the last billion years, we see very rapid diversification of life forms on Earth as multiple components clicked into place, including multicellularity or multiple cells coming together to form one organism, etc. Against this backdrop, we find all insects share a relationship with each other - they have a certain body plan, cellular functions, genetically encoded features (many have six legs, for instance) and the information of how these features are formed encoded in their genome. Butterflies share many evolutionary features with insects. Butterflies are also specialised moths, the two separating from their sister group of insects 150 to 200 million years ago. Thereafter, moths themselves evolved significantly before butterflies emerged as a separate group about 85 million years ago, around when dinosaurs went extinct. All the characteristics butterflies have-including much more acute vision compared to moths who rely more on smell - grew thereon. Visual cues are extremely important for butterflies which explains why many are so attractive. Their appealing colours evolved to help them either evade predators or attract mates, dark colours developing to help butterflies maintain body temperature, being cold-blooded.

Some species developed fascinating traits. Aposematism is a combination of two features - one is a defence against predators, like a chemical cover, some butterflies being toxic to birds, spiders, etc. These caterpillars feed on toxic plants which are difficult, if not deadly, for predators to digest. Being protected thus is an internal property - but butterflies with toxins then developed bright wing patterns to show predators they are dangerous, signalling the risk they bear.

SubQuestion No : 46

Q.46

Compared to moths, butterflies

- A. have better vision
- B. rely more on smelling power
- C. are less attractive
- D. are more colorful

Choose the *correct* answer from the options given below:

1. (A) and (C) only.
2. (B), (C) and (D) only.
3. (A) and (D) only
4. (A), (C) and (D) only.

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **22742718760**

Option 1 ID : **22742773085**

Option 2 ID : **22742773086**

Option 3 ID : **22742773087**

Option 4 ID : **22742773088**

Status : **Answered**

Chosen Option : **3**

Comprehension:

Read the passage and answer the questions that follow:

Based on molecular evidence, we know life evolved from one common ancestor around three billion years ago. From then, evolution progressed, slowly to begin with - in the last billion years, we see very rapid diversification of life forms on Earth as multiple components clicked into place, including multicellularity or multiple cells coming together to form one organism, etc. Against this backdrop, we find all insects share a relationship with each other - they have a certain body plan, cellular functions, genetically encoded features (many have six legs, for instance) and the information of how these features are formed encoded in their genome. Butterflies share many evolutionary features with insects. Butterflies are also specialised moths, the two separating from their sister group of insects 150 to 200 million years ago. Thereafter, moths themselves evolved significantly before butterflies emerged as a separate group about 85 million years ago, around when dinosaurs went extinct. All the characteristics butterflies have-including much more acute vision compared to moths who rely more on smell - grew thereon. Visual cues are extremely important for butterflies which explains why many are so attractive. Their appealing colours evolved to help them either evade predators or attract mates, dark colours developing to help butterflies maintain body temperature, being cold-blooded.

Some species developed fascinating traits. Aposematism is a combination of two features - one is a defence against predators, like a chemical cover, some butterflies being toxic to birds, spiders, etc. These caterpillars feed on toxic plants which are difficult, if not deadly, for predators to digest. Being protected thus is an internal property - but butterflies with toxins then developed bright wing patterns to show predators they are dangerous, signalling the risk they bear.

SubQuestion No : 47

Q.47

Butterflies and Insects separated

1. 1 million years ago
2. 85 million years ago
3. 150-200 million years ago
4. 3 billion, years ago.

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **22742718759**

Option 1 ID : **22742773081**

Option 2 ID : **22742773082**

Option 3 ID : **22742773083**

Option 4 ID : **22742773084**

Status : **Answered**

Chosen Option : **2**

Comprehension:

Read the passage and answer the questions that follow:

Based on molecular evidence, we know life evolved from one common ancestor around three billion years ago. From then, evolution progressed, slowly to begin with - in the last billion years, we see very rapid diversification of life forms on Earth as multiple components clicked into place, including multicellularity or multiple cells coming together to form one organism, etc. Against this backdrop, we find all insects share a relationship with each other - they have a certain body plan, cellular functions, genetically encoded features (many have six legs, for instance) and the information of how these features are formed encoded in their genome. Butterflies share many evolutionary features with insects. Butterflies are also specialised moths, the two separating from their sister group of insects 150 to 200 million years ago. Thereafter, moths themselves evolved significantly before butterflies emerged as a separate group about 85 million years ago, around when dinosaurs went extinct. All the characteristics butterflies have-including much more acute vision compared to moths who rely more on smell - grew thereon. Visual cues are extremely important for butterflies which explains why many are so attractive. Their appealing colours evolved to help them either evade predators or attract mates, dark colours developing to help butterflies maintain body temperature, being cold-blooded.

Some species developed fascinating traits. Aposematism is a combination of two features - one is a defence against predators, like a chemical cover, some butterflies being toxic to birds, spiders, etc. These caterpillars feed on toxic plants which are difficult, if not deadly, for predators to digest. Being protected thus is an internal property - but butterflies with toxins then developed bright wing patterns to show predators they are dangerous, signalling the risk they bear.

SubQuestion No : 48

Q.48

Appealing colours of butterflies serve all these purposes:

- A. Repel mates
- B. Evade predators
- C. Maintain body temperature
- D. Attract predators.
- E. Attract mates

Choose the **correct** answer from the options given below:

1. (A), (B) and (C) only.
2. (A), (B), (C) and (D) only.
3. (B), (C), (D) and (E).
4. (B), (C) and (E) only.

Options 1. 1

2. 2
3. 3
4. 4

Question Type : **MCQ**

Question ID : **22742718761**

Option 1 ID : **22742773089**

Option 2 ID : **22742773090**

Option 3 ID : **22742773091**

Option 4 ID : **22742773092**

Status : **Answered**

Chosen Option : **4**

Comprehension:

Read the passage and answer the questions that follow:

Based on molecular evidence, we know life evolved from one common ancestor around three billion years ago. From then, evolution progressed, slowly to begin with - in the last billion years, we see very rapid diversification of life forms on Earth as multiple components clicked into place, including multicellularity or multiple cells coming together to form one organism, etc. Against this backdrop, we find all insects share a relationship with each other - they have a certain body plan, cellular functions, genetically encoded features (many have six legs, for instance) and the information of how these features are formed encoded in their genome. Butterflies share many evolutionary features with insects. Butterflies are also specialised moths, the two separating from their sister group of insects 150 to 200 million years ago. Thereafter, moths themselves evolved significantly before butterflies emerged as a separate group about 85 million years ago, around when dinosaurs went extinct. All the characteristics butterflies have-including much more acute vision compared to moths who rely more on smell - grew thereon. Visual cues are extremely important for butterflies which explains why many are so attractive. Their appealing colours evolved to help them either evade predators or attract mates, dark colours developing to help butterflies maintain body temperature, being cold-blooded.

Some species developed fascinating traits. Aposematism is a combination of two features - one is a defence against predators, like a chemical cover, some butterflies being toxic to birds, spiders, etc. These caterpillars feed on toxic plants which are difficult, if not deadly, for predators to digest. Being protected thus is an internal property - but butterflies with toxins then developed bright wing patterns to show predators they are dangerous, signalling the risk they bear.

SubQuestion No : 49

Q.49 Given below are two statements:

Statement (I): Butterflies are specialized moths.

Statement (II): Butterflies emerged as a separate group about the time when dinosaurs went extinct.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **22742718762**

Option 1 ID : **22742773093**

Option 2 ID : **22742773094**

Option 3 ID : **22742773095**

Option 4 ID : **22742773096**

Status : **Answered**

Chosen Option : **1**

Comprehension:

Read the passage and answer the questions that follow:

Based on molecular evidence, we know life evolved from one common ancestor around three billion years ago. From then, evolution progressed, slowly to begin with - in the last billion years, we see very rapid diversification of life forms on Earth as multiple components clicked into place, including multicellularity or multiple cells coming together to form one organism, etc. Against this backdrop, we find all insects share a relationship with each other - they have a certain body plan, cellular functions, genetically encoded features (many have six legs, for instance) and the information of how these features are formed encoded in their genome. Butterflies share many evolutionary features with insects. Butterflies are also specialised moths, the two separating from their sister group of insects 150 to 200 million years ago. Thereafter, moths themselves evolved significantly before butterflies emerged as a separate group about 85 million years ago, around when dinosaurs went extinct. All the characteristics butterflies have-including much more acute vision compared to moths who rely more on smell - grew thereon. Visual cues are extremely important for butterflies which explains why many are so attractive. Their appealing colours evolved to help them either evade predators or attract mates, dark colours developing to help butterflies maintain body temperature, being cold-blooded.

Some species developed fascinating traits. Aposematism is a combination of two features - one is a defence against predators, like a chemical cover, some butterflies being toxic to birds, spiders, etc. These caterpillars feed on toxic plants which are difficult, if not deadly, for predators to digest. Being protected thus is an internal property - but butterflies with toxins then developed bright wing patterns to show predators they are dangerous, signalling the risk they bear.

SubQuestion No : 50

Q.50

Aposematism is a combination of

- A. Defence against predators by emitting a bad Smell.
- B. Bright wing patterns for camauflage.
- C. Defence against predators by butterflies with toxins.
- D. Bright wing patterns to show predators they are dangerous.

Choose the **correct** answer from the options given below:

- 1. (A) and (D) only.
- 2. (B) and (C) only.
- 3. (C) and (D) only
- 4. (D) only.

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **22742718763**

Option 1 ID : **22742773097**

Option 2 ID : **22742773098**

Option 3 ID : **22742773099**

Option 4 ID : **22742773100**

Status : **Answered**

Chosen Option : **3**