Entrance Exam

2024



QUESTION PAPER

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Notations :

1.Options shown in green color and with ✔ icon are correct.

2.Options shown in red color and with ✖ icon are incorrect.

Question Paper Name :	Environmental Science 4th May 2024 Shift 1
Duration :	120
Total Marks :	140
Display Marks:	No
Share Answer Key With Delivery Engine :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No

Show Progress Bar :	No
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Research Methodology

Section Id :	971036513
Section Number :	1
Mandatory or Optional :	Mandatory
Number of Questions :	66
Section Marks :	70
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Is Section Default? :	null

Question Number : 1 Question Id : 97103636097 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is a characteristic of reflective teaching?

Options :

1. ✖ Memorization of facts

2. ✖ Understanding complex concepts

3. ✔ Critical analysis of teaching methods

4. ✖ Repetition of instructional materials

Question Number : 2 Question Id : 97103636098 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the key objective of teaching?

Options :

1. ✖ Fostering confusion

2. ✖ Encouraging passive learning

3. ✔ Promoting critical thinking

4. ✖ Discouraging creativity

Question Number : 3 Question Id : 97103636099 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is a challenge associated with MOOCs?

Options :

1. ✖ Lack of course variety

2. ✔ Low completion rate

3. ✖ Limited scalability

4.

✖ High cost for learners

Question Number : 4 Question Id : 97103636100 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is a basic requirement for effective teaching?

Options :

1. ✖ Rigid adherence to lesson plans

2. ✖ Lack of flexibility

3. ✔ Adequate preparation

4. ✖ Limited student engagement

Question Number : 5 Question Id : 97103636101 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is a characteristic of adolescents?

Options :

1. ✖ Highly stable emotional states

2. ✖ Well-developed cognitive abilities

3. ✖ Strong sense of identity

4. ✔ Rapid physical growth and change

Question Number : 6 Question Id : 97103636102 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of these statements best describes the enrolment process for MOOCs?

Options :

1. ✖ Strict eligibility criteria apply

2. ✖ Limited enrolment slots available

3. ✔ Open to anyone with internet access

4. ✖ Requires payment before enrolment

Question Number : 7 Question Id : 97103636103 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which method of teaching places more emphasis on the active involvement of learners?

Options :

1. ✖ Teacher-centered

2. ✖ Lecture-based

3. ✔ Learner-centered

4. ✖ Rote memorization

Question Number : 8 Question Id : 97103636104 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is a characteristic of qualitative research?

Options :

1. ✖ Focuses on numerical data

2. ✖ Emphasizes statistical analysis

3. ✔ Seeks to understand phenomena in depth

4. ✖ Utilizes controlled experiments

Question Number : 9 Question Id : 97103636105 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which approach to research emphasizes the importance of observable facts and data?

Options :

1. ✖ Post-positivistic

2. ✖ Constructivist

3. ✖ Phenomenological

4. ✔ Positivist

Question Number : 10 Question Id : 97103636106 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which type of research focuses on examining cause-and-effect relationships?

Options :

1. ✔ Experimental

2. ✖ Descriptive

3. ✖ Historical

4. ✖ Qualitative

Question Number : 11 Question Id : 97103636107 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What are the basic steps of research in sequential order?

Options :

1. ✖ Analysis, Conclusion, Data Collection, Hypothesis

2. ✖ Data Collection, Hypothesis, Analysis, Conclusion

3. ✔ Hypothesis, Data Collection, Analysis, Conclusion

4. ✖ Conclusion, Data Collection, Hypothesis, Analysis

Question Number : 12 Question Id : 97103636108 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Where are the references typically included in a thesis?

Options :

1. ✖ In-text citations only

2. ✖ Footnotes exclusively

3. ✖ Endnotes solely

4. ✔ Bibliography

Question Number : 13 Question Id : 97103636109 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How does ICT contribute to governance?

Options :

1. ✖ By reducing transparency

2. ✖ Decreasing efficiency in data analysis

3. ✔ By improving efficiency and transparency

4. ✖ By limiting access to information

Question Number : 14 Question Id : 97103636110 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which aspect is addressed by research ethics?

Options :

1. ✖ Maximizing researcher's benefits

2. ✔ Ensuring confidentiality of participants

3. ✖ Minimizing data validity

4. ✖ Ignoring informed consent

Question Number : 15 Question Id : 97103636111 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How does mass media influence society?

Options :

1. ✖ Limits access to information

2. ✖ Reduces cultural diversity

3. ✔ Shapes public opinion

4. ✖ Decreases social interaction

Question Number : 16 Question Id : 97103636112 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which method of research aims to provide a detailed description of a phenomenon or situation?

Options :

1. ✖ Experimental

2. ✔ Descriptive

3. ✖ Historical

4. ✖ Qualitative

Question Number : 17 Question Id : 97103636113 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What type of communication involves the exchange of information through spoken or written words?

Options :

1. ✖ Non-verbal communication

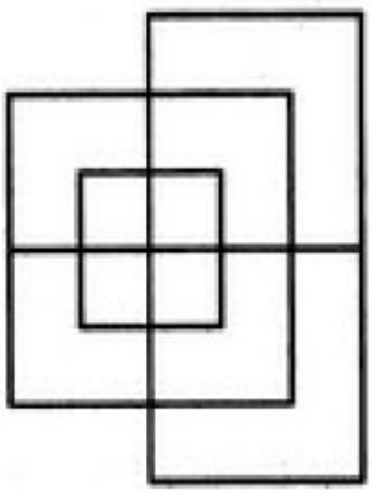
2. ✖ Inter-cultural communication

3. ✖ Group communication

4. ✔ Verbal communication

Question Number : 18 Question Id : 97103636114 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct Time : 0

Find the minimum number of straight lines required to make the given figure.



Options :

1. ✔ 13

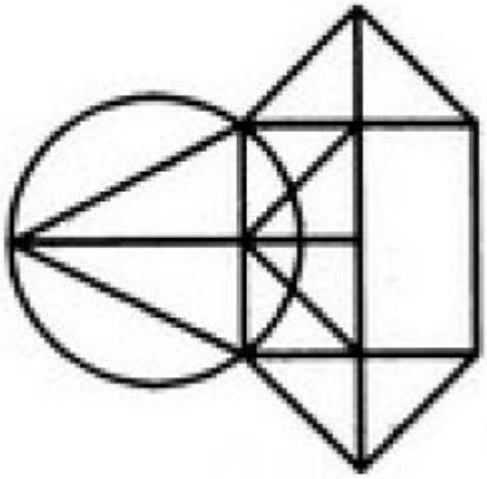
2. ✖ 15

3. ✖ 17

4. ✖ 19

Question Number : 19 Question Id : 97103636115 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Find the number of triangles in the given figure.



Options :

1. ✖ 10

2. ✖ 12

3. ✔ 14

4. ✖ 16

Question Number : 20 Question Id : 97103636116 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Suppose NOIDA is written as OPJEB then what will be the code for DELHI

Options :

1. ✔ EMMIJ

2. ✖ EFMAK

3. ✖ EFAMK

4. ✖ EFMIK

Is Section Default? : null

Question Id : 97103636117 Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (21 to 25)

Read the Passage and answer the following questions:

The primary concern with the longevity of digital documents is the "viewing problem". Unlike analog or physical information, which tends to exist independent of human involvement, digital information needs constant intervention to survive. History has shown that digital documents are problematic by default. Whereas we can actually look at the Sistine Chapel ceiling, painted 500 years ago, it is difficult if not impossible to simply view documents on 8-in. Floppy disks created in the last 20 years have even if there has been an immediate, proactive role in preserving them. Without concerted effort on the part of archivists and preservationists, digital objects quickly become obsolete or inaccessible due to unforeseen, although anticipated, advances in information technology. The variable media art community currently utilizes four digital preservation strategies, all focused on the end product. The first three methods have technical origins and are based on general digital preservation practices. Related to "the viewing problem", they are: refreshing, the upgrade of storage mechanisms; migration, the premeditated upgrade of file formats; and emulation, which focuses on development of operating systems able to run obsolete media. The fourth option, developed by and for the new media art community, is reinterpretation (Depocas et al., 2003), where the curators attempt to recreate a work given comprehensive documentation of the original artefact. Migration and emulation are the two primary methods in managing the problem of obsolete file formats (Waters & Garrett, 1996). Migration focuses on the files themselves, periodically updating files in new software formats. The second method of preservation is emulation, which can be either at the system or the software level. System emulation focuses on developing systems that mimic the hardware used to create or run the original artefact.

Sub questions

Question Number : 21 Question Id : 97103636118 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the primary concern with the longevity of digital documents according to the passage?

Options :

1. ✖ Lack of archivist involvement

2. ✔ Unforeseen advances in technology

3. ✖ Dependence on human intervention

4. ✖ Rapid deterioration of physical form

Question Number : 22 Question Id : 97103636119 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following methods is NOT mentioned as a digital preservation strategy in the passage?

Options :

1. ✖ Refreshing

2. ✔ Reinterpretation

3. ✖ Migration

4. ✖ Emulation

Question Number : 23 Question Id : 97103636120 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What does the term "migration" refer to in the context of digital preservation?

Options :

1. ✖ Recreating original artefacts

2. ✔ Upgrading storage mechanisms

3. ✖ Developing new software formats

4. ✖ Mimicking hardware systems

Question Number : 24 Question Id : 97103636121 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the focus of the fourth preservation option mentioned in the passage, "reinterpretation"?

Options :

1. ✖ Refreshing digital documents

2. ✖ Upgrading file formats

3. ✖ Emulating obsolete media

4. ✔ Recreating original works with comprehensive documentation

Question Number : 25 Question Id : 97103636122 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

According to the passage, what are the two primary methods in managing the problem of obsolete file formats?

Options :

1. ✖ Refreshing and migration

2. ✖ Migration and emulation

3. ✖ Emulation and reinterpretation

4. ✔ Reinterpretation and refreshing

Is Section Default? : null

Question Number : 26 Question Id : 97103636123 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which aspect of communication deals with the exchange of messages between people from different cultural backgrounds?

Options :

1. ✖ Classroom communication

2. ✖ Interpersonal communication

3. ✖ Group communication

4. ✔ Inter-cultural communication

Question Number : 27 Question Id : 97103636124 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

What is a common barrier to effective communication?

Options :

1. ✖ Clear message delivery

2. ✖ Active listening

3. ✔ Language barriers

4. ✖ Mutual understanding

Question Number : 28 Question Id : 97103636125 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct

Time : 0

How does mass media influence society?

Options :

1. ✖ By reducing communication channels

2. ✖ By encouraging isolation

3. ✔ By shaping public opinion and behavior

4. ✖ By promoting individualism

Question Number : 29 Question Id : 97103636126 Display Question Number : Yes Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which type of communication is characterized by gestures, facial expressions, and body language?

Options :

1. ✖ Verbal communication

2. ✖ Written communication

3. ✔ Non-verbal communication

4. ✖ Inter-cultural communication

Question Number : 30 Question Id : 97103636127 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The apex body responsible for formulating policies and coordinating higher education in India is:

Options :

1. ✔ Ministry of Education (MoE)

2. ✖ All India Council for Technical Education (AICTE)

3. ✖ National Assessment and Accreditation Council (NAAC)

4. ✖ University Grants Commission (UGC)

Question Number : 31 Question Id : 97103636128 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is key feature of technical education programs in India?

Options :

1. ✖ Emphasis on theoretical knowledge

2. ✖ Short duration of courses

3. ✔ Focus on practical skills and industry relevance

4. ✖ Limited job prospects

Question Number : 32 Question Id : 97103636129 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If a car travels at a constant speed of 60 miles per hour, how far will it travel in 3 hours?

Options :

1. ✖ 120 miles

2. ✖ 160 miles

3. ✔ 180 miles

4. ✖ 200 miles

Question Number : 33 Question Id : 97103636130 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is a key concept in profit and loss calculations?

Options :

1. ✖ Maintaining interest rates

2. ✖ Analyzing letter sequences

3. ✔ Calculating percentage changes

4. ✖ Identifying patterns in codes

Question Number : 34 Question Id : 97103636131 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If the original price of an item is Rs.50 and it is sold for Rs.40, what is the loss percentage?

Options :

1. ✔ 20%

2. ✖ 25%

3. ✖ 30%

4. ✖ 35%

Question Number : 35 Question Id : 97103636132 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What mathematical concept involves determining the amount of money earned or paid on an investment or loan?

Options :

1. ✖ Time & Distance

2. ✖ Ratio

3. ✔ Interest

4. ✖ Averages

Question Number : 36 Question Id : 97103636133 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If the simple interest on a principal amount of Rs.1000 for one year at 5% per annum is Rs.50, what is the interest rate for two years?

Options :

1. ✖ 5%

2. ✔ 10%

3. ✖ 15%

4. ✖ 20%

Question Number : 37 Question Id : 97103636134 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The famous ancient Indian university, Nalanda, was primarily known for its focus on:

Options :

1. ✖ Science and technology

2. ✖ Literature and arts

3. ✖ Medicine and healthcare

4. ✔ Buddhist studies and philosophy

Question Number : 38 Question Id : 97103636135 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Montreal Protocol is related to the protection of the:

Options :

1. ✔ Ozone layer

2. ✖ Rainforests

3. ✖ Coral reefs

4. ✖ Polar ice caps

Question Number : 39 Question Id : 97103636136 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the purpose of using Venn diagrams in logic?

Options :

1. ✔ To establish validity of arguments

2. ✖ To identify formal fallacies

3. ✖ To understand linguistic nuances

4. ✖ To evaluate deductive reasoning

Question Number : 40 Question Id : 97103636137 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which Indian logic concept refers to verbal testimony as a means of knowledge?

Options :

1. ✖ Pratyaksha

2. ✖ Anumana

3. ✔ Shabda

4. ✖ Arthapatti

Question Number : 41 Question Id : 97103636138 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What does Anumana primarily involve in Indian logic?

Options :

1. ✖ Perception

2. ✔ Inference

3. ✖ Comparison

4. ✖ Non-apprehension

Question Number : 42 Question Id : 97103636139 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the term used for the invariable relation between a property and a subject in Indian logic?

Options :

1. ✖ Pratyaksha

2. ✖ Upamana

3. ✔ Vyapti

4. ✖ Anupalabddhi

Question Number : 43 Question Id : 97103636140 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which type of reasoning primarily relies on specific examples to draw conclusions?

Options :

1. ✖ Deductive reasoning

2. ✔ Inductive reasoning

3. ✖ Analogies

4. ✖ *Pramanas*

Question Number : 44 Question Id : 97103636141 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the primary purpose of evaluating deductive reasoning?

Options :

1. ✖ To establish linguistic connotations

2. ✖ To identify fallacies in arguments

3. ✔ To establish validity of conclusions

4. ✖ To determine invariable relations

Question Number : 45 Question Id : 97103636142 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In Indian logic, which means of knowledge refers to perception?

Options :

1. ✔ Pratyaksha

2. ✖ Anumana

3. ✖ Upamana

4. ✖ Shabda

Question Number : 46 Question Id : 97103636143 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The International Kabbadi League (IKL) was formed last month to give a boost to the game at international standards. It had a tournament, where 2 teams played some matches. Each team comprised of 7 players each. The listings of the 2 teams X and Y were lost, but certain details regarding the players were available. A, B, C, D, E, F, G, H, I, J, K, L, M and N are the players.

I. D and E were in Team X, K and G were in team Y.

II. H and B were in the same team, but not in the team in which F was.

III. The sum of the scores of members of Team Y was not greater than 115.

The table containing the details of the players and their scores is below

A	B	C	D	E	F	G	H	I	J	K	L	M	N
28	12	29	10	9	11	13	14	22	28	16	20	18	15

Which of these players was definitely in Team Y?

Options :

1. ✖ L

2. ✔ M

3. ✖ N

4. ✖ K

Question Number : 47 Question Id : 97103636144 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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The table containing the details of the players and their scores is below

A	B	C	D	E	F	G	H	I	J	K	L	M	N
28	12	29	10	9	11	13	14	22	28	16	20	18	15

If the score for team Y was less than 110, what could be the score of team X?

Options :

1. ✖ 135

2. ✖ 137

3. ✖ 139

4. ✔ Cannot be determined

Question Number : 48 Question Id : 97103636145 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The International Kabbadi League (IKL) was formed last month to give a boost to the game at international standards. It had a tournament, where 2 teams played some matches. Each team comprised of 7 players each. The listings of the 2 teams X and Y were lost, but certain details regarding the players were available. A, B, C, D, E, F, G, H, I, J, K, L, M and N are the players.

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II. H and B were in the same team, but not in the team in which F was.

III. The sum of the scores of members of Team Y was not greater than 115.

The table containing the details of the players and their scores is below

A	B	C	D	E	F	G	H	I	J	K	L	M	N
28	12	29	10	9	11	13	14	22	28	16	20	18	15

Which of these players could not be in team Y, if the score of Y was 115?

Options :

1. ✖ A

2. ✔ L

3. ✖ M

4. ✖ N

Question Number : 49 Question Id : 97103636146 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The International Kabbadi League (IKL) was formed last month to give a boost to the game at international standards. It had a tournament, where 2 teams played some matches. Each team comprised of 7 players each. The listings of the 2 teams X and Y were lost, but certain details regarding the players were available. A, B, C, D, E, F, G, H, I, J, K, L, M and N are the players.

I. D and E were in Team X, K and G were in team Y.

II. H and B were in the same team, but not in the team in which F was.

III. The sum of the scores of members of Team Y was not greater than 115.

The table containing the details of the players and their scores is below

A	B	C	D	E	F	G	H	I	J	K	L	M	N
28	12	29	10	9	11	13	14	22	28	16	20	18	15

Which of these players was definitely in team X, if the score of Y was 112?

Options :

1. ✖ I

2. ✔ L

3. ✖ M

4. ✖ N

Question Number : 50 Question Id : 97103636147 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The International Kabbadi League (IKL) was formed last month to give a boost to the game at international standards. It had a tournament, where 2 teams played some matches. Each team comprised of 7 players each. The listings of the 2 teams X and Y were lost, but certain details regarding the players were available. A, B, C, D, E, F, G, H, I, J, K, L, M and N are the players.

I. D and E were in Team X, K and G were in team Y.

II. H and B were in the same team, but not in the team in which F was.

III. The sum of the scores of members of Team Y was not greater than 115.

The table containing the details of the players and their scores is below

A	B	C	D	E	F	G	H	I	J	K	L	M	N
28	12	29	10	9	11	13	14	22	28	16	20	18	15

Which of these players are definitely in Team X?

Options :

1. ✖ F

2. ✖ H

3. ✖ B

4. ✔ K

Question Number : 51 Question Id : 97103636148 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which term refers to a network of private computers within an organization or institution?

Options :

1. ✖ Internet

2. ✔ Intranet

3. ✖ Extranet

4. ✖ Ethernet

Question Number : 52 Question Id : 97103636149 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the primary purpose of email communication?

Options :

1. ✖ Audio conferencing

2. ✖ Video conferencing

3. ✔ Text-based messaging

4. ✖ File sharing

Question Number : 53 Question Id : 97103636150 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the purpose of a cache in computer system.

Options :

1. ✖ To connect to wireless networks

2. ✖ To store long – term data back ups

3. ✔ To store temporary data for faster access

4. ✖ To process mathematical calculations

Question Number : 54 Question Id : 97103636151 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is a digital initiative in higher education that provides access to educational resources over the internet?

Options :

1. ✖ Digital literacy programs

2. ✔ Massive Open Online Courses (MOOCs)

3. ✖ Audio conferencing

4. ✖ Video conferencing

Question Number : 55 Question Id : 97103636152 Display Question Number : Yes Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the term for the process of holding meetings over the internet where participants can see and hear each other in real-time?

Options :

1. ✔ Video conferencing

2. ✖ Audio conferencing

3. ✖ Emailing

4. ✖ Telecommuting

Question Number : 56 Question Id : 97103636153 Display Question Number : Yes Is Questi

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which term refers to the basic unit of data in computing and telecommunications?

Options :

1. ✔ Byte

2. ✖ Kilobyte

3. ✖ Megabyte

4. ✖ Gigabyte

Question Number : 57 Question Id : 97103636154 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the context of ICT and governance, what does ICT primarily facilitate?

Options :

1. ✖ Increases bureaucracy

2. ✖ Decreases transparency

3. ✔ Improves communication and efficiency

4. ✖ Enhances corruption

Question Number : 58 Question Id : 97103636155 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What does the term "Internet" refer to?

Options :

1. ✖ A network of private computers within an organization

2. ✔ A global network connecting millions of computers

3. ✖ An internal network for file sharing within an organization

4. ✖ A platform for video conferencing

Question Number : 59 Question Id : 97103636156 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which technology allows users to interact with computers using voice commands?

Options :

1. ✖ Artificial Intelligence

2. ✖ Augmented reality

3. ✖ Virtual reality

4. ✔ Speech recognition

Question Number : 60 Question Id : 97103636157 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which international agreement aims to address climate change by reducing greenhouse gas emissions?

Options :

1. ✖ Montreal Protocol

2. ✖ Rio Summit

3. ✖ Convention on Biodiversity

4. ✔ Paris Agreement

Question Number : 61 Question Id : 97103636158 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the primary focus of the National Action Plan on Climate Change?

Options :

1. ✖ Mitigating air pollution

2. ✖ Addressing water pollution

3. ✔ Reducing greenhouse gas emissions

4. ✖ Promoting renewable energy

Question Number : 62 Question Id : 97103636159 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which type of pollution is primarily caused by industrial emissions and vehicle exhaust?

Options :

1. ✔ Air pollution

2. ✖ Water pollution

3. ✖ Soil pollution

4. ✖ Noise pollution

Question Number : 63 Question Id : 97103636160 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which renewable energy resource harnesses energy from the Earth's internal heat?

Options :

1. ✖ Solar

2. ✖ Wind

3. ✔ Geothermal

4. ✖ Biomass

Question Number : 64 Question Id : 97103636161 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which international agreement aims to protect the ozone layer by phasing out the production and use of ozone-depleting substances?

Options :

1. ✔ Montreal Protocol

2. ✖ Rio Summit

3. ✖ Kyoto Protocol

4. ✖ Paris Agreement

Question Number : 65 Question Id : 97103636162 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which organization aims to promote solar energy usage globally through international cooperation and partnerships?

Options :

1. ✖ Montreal Protocol

2. ✖ Convention on Biodiversity

3. ✔ International Solar Alliance

4. ✖ Kyoto Protocol

Question Number : 66 Question Id : 97103636163 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is an anthropogenic activity?

Options :

1. ✖ Volcanic eruption

2. ✖ Earthquake

3. ✔ Deforestation

4. ✖ Tsunami

Question Number : 67 Question Id : 97103636164 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What type of education in India focuses on imparting practical skills and hands-on training?

Options :

1. ✔ Technical education

2. ✖ Value education

3. ✖ Environmental education

4. ✖ Conventional education

Question Number : 68 Question Id : 97103636165 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the emphasis of value education in India?

Options :

1. ✖ Acquiring technical skills

2. ✔ Developing moral and ethical values

3. ✖ Learning traditional subjects

4. ✖ Enhancing environmental awareness

Question Number : 69 Question Id : 97103636166 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which type of learning program in India includes fields like engineering, medicine, and management?

Options :

1. ✖ Oriental learning

2. ✖ Conventional learning

3. ✖ Non-conventional learning

4. ✔ Professional education

Question Number : 70 Question Id : 97103636167 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What aspect of education in India does environmental education primarily address?

Options :

1. ✖ Technical skills

2. ✖ Ethical values

3. ✔ Environmental awareness and conservation

4. ✖ Professional development

Environmental Science

Section Id :	971036514
Section Number :	2
Mandatory or Optional :	Mandatory
Number of Questions :	70
Section Marks :	70
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Is Section Default? :	null

Question Number : 71 Question Id : 97103636168 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is ecology primarily concerned with?

Options :

1. ✖ Human behavior

2. ✔ Interactions between organisms and their environment

3. ✖ Chemistry of living organisms

4. ✖ Physical geography

Question Number : 72 Question Id : 97103636169 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the percentage of forest cover in India in 2023?

Options :

1. ✔ 21.71%

2. ✖ 12.17%

3. ✖ 24.15%

4. ✖ 36.63%

Question Number : 73 Question Id : 97103636170 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Köppen climate classification system is based on

Options :

1. ✔ Precipitation and temperature

2. ✖ Wind speed and direction

3. ✖ Atmospheric pressure

4. ✖ Cloud cover

Question Number : 74 Question Id : 97103636171 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which ocean zone has the highest biodiversity?

Options :

1. ✖ Abyssal zone

2. ✖ Hadal zone

3. ✔ Epipelagic zone

4. ✖ Mesopelagic zone

Question Number : 75 Question Id : 97103636172 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the primary purpose of forecasting in regression models?

Options :

1. ✔ Predicting future values based on the model

2. ✖ Validating the model

3. ✖ Adjusting model parameters

4. ✖ Eliminating uncertainty

Question Number : 76 Question Id : 97103636173 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which model describes predator-prey interactions?

Options :

1. ✖ Leslie's matrix model

2. ✖ Gaussian Plume model

3. ✔ Lotka -Volterra model

4. ✖ Box model

Question Number : 77 Question Id : 97103636174 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which term describes the measure of disorder or randomness in a system?

Options :

1. ✖ Enthalpy

2. ✔ Entropy

3. ✖ Temperature

4. ✖ Pressure

Question Number : 78 Question Id : 97103636175 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What instrument is used to measure atmospheric pressure?

Options :

1. ✔ Barometer

2. ✖ Thermometer

3. ✖ Anemometer

4. ✖ Hydrometer

Question Number : 79 Question Id : 97103636176 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) aims to:

Options :

1. ✔ Protect endangered species from international trade exploitation

2. ✖ Regulate agricultural trade practices

3. ✖ Promote sustainable fishing practices

4. ✖ Control greenhouse gas emissions

Question Number : 80 Question Id : 97103636177 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is a non-renewable energy source?

Options :

1. ✖ Wind power

2. ✖ Geothermal energy

3. ✔ Nuclear power

4. ✖ Biomass

Question Number : 81 Question Id : 97103636178 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Convention on Biological Diversity (CBD) was opened for signature at the Earth Summit. In which year did it come into force?

Options :

1. ✖ 1990

2. ✔ 1992

3. ✖ 1994

4. ✖ 1996

Question Number : 82 Question Id : 97103636179 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct Time : 0

Which scientist is credited with proposing the theory of natural selection?

Options :

1. ✔ Charles Darwin

2. ✖ Gregor Mendel

3. ✖ Louis Pasteur

4. ✖ Linnaeus

Question Number : 83 Question Id : 97103636180 Display Question Number : Yes Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is a characteristic of the "Tundra" climate zone?

Options :

1. ✖ Hot and humid conditions

2. ✔ Permafrost

3. ✖ Year-round warmth

4. ✖ Dense tropical rainforests

Question Number : 84 Question Id : 97103636181 Display Question Number : Yes Is Questi

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct

Time : 0

What does the equilibrium constant (K) indicate about a chemical reaction at equilibrium?

Options :

1. ✖ The rate of the reaction

2. ✔ The direction of the reaction

3. ✖ The activation energy

4. ✖ The initial concentration of reactants

Question Number : 85 Question Id : 97103636182 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which toxic chemical is commonly released into the air from burning fossil fuels and is a major contributor to air pollution?

Options :

1. ✔ Carbon monoxide

2. ✖ Lead

3. ✖ Mercury

4. ✖ PAN pesticides

Question Number : 86 Question Id : 97103636183 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How do earthworms contribute to the composting process in vermiculture?

Options :

1. ✖ By consuming plastic waste

2. ✖ By producing enzymes for decomposition

3. ✔ By aerating and mixing organic matter

4. ✖ By emitting greenhouse gases

Question Number : 87 Question Id : 97103636184 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the main product of fermentation in biofuel production?

Options :

1. ✔ Ethanol

2. ✖ Methane

3. ✖ Biodiesel

4. ✖ Hydrogen gas

Question Number : 88 Question Id : 97103636185 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which atmospheric layer contains the ozone layer that absorbs ultraviolet radiation?

Options :

1. ✖ Troposphere

2. ✔ Stratosphere

3. ✖ Mesosphere

4.

✖ Thermosphere

Question Number : 89 Question Id : 97103636186 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which noble gas is primarily produced as a decay product of uranium and thorium?

Options :

1. ✖ Neon

2. ✖ Argon

3. ✖ Krypton

4. ✔ Radon

Question Number : 90 Question Id : 97103636187 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which physico-chemical factor plays a crucial role in nutrient cycling in ecosystems?

Options :

1. ✖ Atmospheric pressure

2. ✔ Soil pH

3. ✖ Wind patterns

4. ✖ Solar radiation

Question Number : 91 Question Id : 97103636188 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the role of aerosols in the atmosphere?

Options :

1. ✖ Absorbing solar radiation

2. ✖ Enhancing visibility

3. ✔ Acting as cloud condensation nuclei

4. ✖ Reducing air temperature

Question Number : 92 Question Id : 97103636189 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the primary source of hydroxyl radicals (OH•) in the atmosphere, playing a crucial role in cleansing pollutants?

Options :

1. ✔ Solar radiation

2. ✖ Volcanic emissions

3. ✖ Ozone depletion

4. ✖ Lightening discharges

Question Number : 93 Question Id : 97103636190 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What class of chemicals was commonly responsible for ozone depletion before their regulation under the Montreal Protocol?

Options :

1. ✖ Greenhouse gases

2. ✖ Nitrogen oxides

3. ✖ Hydro chloro fluoro carbons (HCFCs)

4. ✔ Chlorofluorocarbons (CFCs)

Question Number : 94 Question Id : 97103636191 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the acceptable pH range for freshwater bodies to maintain a healthy aquatic ecosystem?

Options :

1. ✖ pH 2-4

2. ✖ pH 5-7

3. ✔ pH 7-9

4. ✖ pH 10-12

Question Number : 95 Question Id : 97103636192 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What does Redox potential measure in water chemistry?

Options :

1. ✖ The acidity of water

2. ✖ The concentration of dissolved solids

3. ✔ The oxidation-reduction potential

4. ✖ The temperature of water

Question Number : 96 Question Id : 97103636193 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which process involves the use of chemicals to destabilize particles in water?

Options :

1. ✖ Filtration

2. ✖ Sedimentation

3. ✔ Coagulation

4. ✖ Redox potential

Question Number : 97 Question Id : 97103636194 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What are the inorganic components of soil commonly referred to as?

Options :

1. ✖ Soil Organics

2. ✔ Soil Minerals

3. ✖ Soil Nutrients

4. ✖ Soil Decomposers

Question Number : 98 Question Id : 97103636195 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is biomagnification in the context of environmental toxins?

Options :

1. ✖ The increase in the number of organisms in an ecosystem

2. ✔ The accumulation of toxins in higher trophic levels

3. ✖ The process of detoxification in plants

4. ✖ The conversion of toxins into non-harmful substances

Question Number : 99 Question Id : 97103636196 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which nutrient is essential for plant cell division and energy transfer in soils?

Options :

1. ✖ Nitrogen

2. ✔ Phosphorus

3. ✖ Potassium

4. ✖ Calcium

Question Number : 100 Question Id : 97103636197 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the primary source of nitrogen for plants in the soil?

Options :

1. ✔ Nitrate

2. ✖ Ammonium

3. ✖ Nitrite

4. ✖ Atmospheric nitrogen

Question Number : 101 Question Id : 97103636198 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which layer of the Earth is composed of solid rock and includes the crust and upper part of the mantle?

Options :

1. ✖ Atmosphere

2. ✖ Hydrosphere

3. ✔ Lithosphere

4. ✖ Biosphere

Question Number : 102 Question Id : 97103636199 Display Question Number : Yes Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Itai-Itai disease is caused by:

Options :

1. ✖ Nitrate

2. ✖ Benzene

3. ✖ Methyl isocyanate (MIC)

4. ✔ Cadmium

Question Number : 103 Question Id : 97103636200 Display Question Number : Yes Is Quest

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What health condition is associated with chronic exposure to arsenic?

Options :

1. ✖ Neurological disorders

2. ✖ Cardiovascular diseases

3. ✖ Respiratory issues

4. ✔ Skin cancers

Question Number : 104 Question Id : 97103636201 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Flame Photometry is often employed for the detection and quantification of:

Options :

1. ✖ Radioactive elements

2. ✖ Gaseous pollutants

3. ✔ Metals in a sample

4. ✖ Infrared radiation

Question Number : 105 Question Id : 97103636202 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What does GLC stand for in analytical chemistry?

Options :

1. ✔ Gas Liquid Chromatography

2. ✖ Gel Layer Chromatography

3. ✖ Gas-Liquid Composite

4. ✖ Gel-Liquid Chromatography

Question Number : 106 Question Id : 97103636203 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

High-Performance Liquid Chromatography (HPLC) is primarily used for the separation of

Options :

1. ✖ Gases

2. ✔ Liquids

3. ✖ Solids

4. ✖ Ions

Question Number : 107 Question Id : 97103636204 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Who discovered the term 'ecosystem'?

Options :

1. ✖ E. P. Odum

2. ✖ Elton

3. ✔ Arthur G Tansley

4. ✖ F. Clements

Question Number : 108 Question Id : 97103636205 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What are the fundamental units of biological organization in an ecosystem?

Options :

1. ✖ Atoms

2. ✖ Cells

3. ✔ Organisms

4. ✖ Ecosystems

Question Number : 109 Question Id : 97103636206 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In a food chain, what is the role of producers?

Options :

1. ✖ Consume other organisms

2. ✖ Decompose organic matter

3. ✔ Produce their own food through photosynthesis

4. ✖ Predators at the top of the chain

Question Number : 110 Question Id : 97103636207 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which pioneer species are typically the first to colonize a barren area during primary succession?

Options :

1. ✖ Grasses

2. ✖ Trees

3. ✔ Lichens and mosses

4. ✖ Ferns

Question Number : 111 Question Id : 97103636208 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What type of succession occurs after a disturbance that doesn't completely destroy the existing community?

Options :

1. ✖ Primary succession

2. ✔ Secondary succession

3. ✖ Climax succession

4. ✖ Tertiary succession

Question Number : 112 Question Id : 97103636209 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What does the term "population density" refer to?

Options :

1. ✖ The number of individuals of different species

2. ✖ The total biomass of a population

3. ✔ The number of individuals per unit of habitat

4. ✖ The genetic diversity within a population

Question Number : 113 Question Id : 97103636210 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Who is the father of Global Green Revolution?

Options :

1. ✖ M.S. Swaminathan

2. ✔ Norman Borlaug

3. ✖ Hiralal Chaudhuri

4. ✖ Vishal Tewari

Question Number : 114 Question Id : 97103636211 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the primary benefit of warning coloration in prey species?

Options :

1. ✖ Attracting predators for mutualistic relationships

2. ✖ Camouflaging to blend with the environment

3. ✔ Deterring predators by signaling toxicity or danger

4. ✖ Enhancing reproductive success

Question Number : 115 Question Id : 97103636212 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How does co-evolution influence prey-predator relationships?

Options :

1. ✖ It leads to the extinction of both prey and predator species.

2. ✖ It results in a constant and unchanging relationship between prey and predator.

3.

✔ It drives evolutionary adaptations in both prey and predator over time.

4. ✖ It minimizes the impact of competition between prey and predator.

Question Number : 116 Question Id : 97103636213 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the primary role of phytoplankton in aquatic ecosystems?

Options :

1. ✖ Providing shelter for fish

2. ✖ Decomposing organic matter

3. ✖ Preying on zooplankton

4. ✔ Acting as primary producers through photosynthesis

Question Number : 117 Question Id : 97103636214 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The World Summit on Sustainable Development (WSSD) took place in the year and location?

Options :

1. ✔ 2002, Johannesburg

2. ✖ 2002, Kyoto

3. ✖ 2010, Cancun

4. ✖ 2012, Rio de Janeiro

Question Number : 118 Question Id : 97103636215 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Why are certain phytoplankton considered keystone species in aquatic ecosystems?

Options :

1. ✖ They are the largest organisms in the ecosystem.

2. ✖ They serve as indicators of water quality.

3. ✔ Their abundance influences the entire food web.

4. ✖ They are resistant to environmental changes.

Question Number : 119 Question Id : 97103636216 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which forest type is characterized by evergreen trees that are adapted to extreme cold conditions?

Options :

1. ✖ Deciduous forest

2. ✖ Tropical rainforest

3. ✔ Coniferous forest

4. ✖ Temperate rainforest

Question Number : 120 Question Id : 97103636217 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the primary driver of deforestation worldwide?

Options :

1. ✖ Urbanization

2. ✔ Agriculture and logging

3. ✖ Climate change

4. ✖ Conservation efforts

Question Number : 121 Question Id : 97103636218 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What defines a biodiversity hotspot?

Options :

1. ✖ Regions with extreme temperatures

2. ✖ Areas with high levels of genetic diversity

3. ✔ Places with a high number of endangered species

4. ✖ Locations with low levels of species richness

Question Number : 122 Question Id : 97103636219 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the key advantage of in-situ conservation over ex-situ conservation?

Options :

1. ✖ Controlled breeding opportunities

2. ✖ Genetic diversity preservation

3. ✔ Preservation of natural behaviors

4. ✖ Ease of management

Question Number : 123 Question Id : 97103636220 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Where is Salim Ali National Park located in India?

Options :

1. ✔ Jammu and Kashmir

2. ✖ Andhra Pradesh

3. ✖ Uttar Pradesh

4. ✖ Odisha

Question Number : 124 Question Id : 97103636221 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is a common method for collecting airborne microorganisms for analysis?

Options :

1. ✖ Soil sampling

2. ✖ Water filtration

3. ✔ Air impaction

4. ✖ Sedimentation

Question Number : 125 Question Id : 97103636222 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the nutrient-rich material produced by vermiculture called?

Options :

1. ✔ Vermitea

2. ✖ Compost

3. ✖ Vermiculite

4. ✖ Humus

Question Number : 126 Question Id : 97103636223 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the main fuel used in nuclear fission reactors?

Options :

1. ✖ Uranium-238

2. ✖ Plutonium-239

3. ✔ Uranium-235

4. ✖ Thorium-232

Question Number : 127 Question Id : 97103636224 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In fermentation technology, what is the main byproduct often used for energy production?

Options :

1. ✔ Methane gas

2. ✖ Oxygen

3. ✖ Carbon dioxide

4. ✖ Nitrogen gas

Question Number : 128 Question Id : 97103636225 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is a renewable natural resource?

Options :

1. ✖ Fossil fuels

2. ✖ Minerals

3. ✔ Water

4. ✖ Metals

Question Number : 129 Question Id : 97103636226 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which climatic phenomenon often follows an El Niño event and is characterized by cooler-than-average sea surface temperatures in the central and eastern Pacific Ocean?

Options :

1. ✖ Monsoon Break

2. ✔ La Niña

3. ✖ Indian Ocean Dipole

4. ✖ Typhoon

Question Number : 130 Question Id : 97103636227 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct Time : 0

What is the term for the process of gradual land degradation and reduced soil moisture, often leading to drought conditions?

Options :

1. ✔ Desertification

2. ✖ Erosion

3. ✖ Deforestation

4. ✖ Salinization

Question Number : 131 Question Id : 97103636228 Display Question Number : Yes Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the eye of a tropical cyclone?

Options :

1. ✖ The outermost edge of the storm

2. ✔ The central calm area with low pressure

3. ✖ The region with the strongest winds

4. ✖ The part of the storm closest to the equator

Question Number : 132 Question Id : 97103636229 Display Question Number : Yes Is Questi

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct

Time : 0

What is the primary advantage of extracting minerals from ocean ore compared to traditional mining on land?

Options :

1. ✔ Lower environmental impact

2. ✖ Higher mineral concentration

3. ✖ Safer working conditions

4. ✖ Unlimited resource availability

Question Number : 133 Question Id : 97103636230 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which factor is a key determinant of the mobility of trace elements in soil and water?

Options :

1. ✖ Temperature

2. ✔ pH (acidity or alkalinity)

3. ✖ Atmospheric pressure

4. ✖ Wind speed

Question Number : 134 Question Id : 97103636231 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which type of remote sensing sensors are used to capture images of the Earth's surface in different spectral bands simultaneously?

Options :

1. ✖ Multi spectral sensors

2. ✔ Hyper spectral sensors

3. ✖ Lidar sensors

4. ✖ Radar sensors

Question Number : 135 Question Id : 97103636232 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How does GIS assist in land-use planning and management?

Options :

1. ✖ By predicting earthquakes

2. ✔ Analyzing spatial relationships and patterns

3. ✖ Measuring air quality

4. ✖ Monitoring ocean currents

Question Number : 136 Question Id : 97103636233 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the primary source of energy in Ocean Thermal Energy Conversion (OTEC)?

Options :

1. ✔ Solar radiation

2. ✖ Tidal energy

3. ✖ Geothermal heat

4. ✖ Ocean currents

Question Number : 137 Question Id : 97103636234 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What document outlines the potential environmental impacts of a proposed project and suggests measures for mitigation and management?

Options :

1. ✔ Environmental Impact Statement (EIS)

2. ✖ Environmental Audit Report (EAR)

3. ✖ Environmental Compliance Certificate (ECC)

4. ✖ Environmental Monitoring Plan (EMP)

Question Number : 138 Question Id : 97103636235 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is a key principle of environmental planning?

Options :

1. ✖ Short-term exploitation

2. ✖ Ignoring community needs

3. ✔ Long-term sustainability

4. ✖ Limited stakeholder involvement

Question Number : 139 Question Id : 97103636236 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is a key principle of sustainable development in India?

Options :

1. ✖ Promoting resource depletion

2. ✖ Encouraging unsustainable industrial practices

3. ✔ Balancing economic, social, and environmental goals

4. ✖ Ignoring the well-being of future generations

Question Number : 140 Question Id : 97103636237 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which amendment to the Wildlife Protection Act, 1972, introduced stricter measures to combat wildlife-related crimes?

Options :

1. ✖ 1985

2. ✖ 1988

3. ✖ 1990

4. ✔ 1991

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