

# TS SET

## Notations :

- Options shown in green color and with ✓ icon are correct.
- Options shown in red color and with ✗ icon are incorrect.

|                                         |                        |
|-----------------------------------------|------------------------|
| <b>Subject Name :</b>                   | ENVIRONMENTAL SCIENCES |
| <b>Duration :</b>                       | 180                    |
| <b>Total Marks :</b>                    | 300                    |
| <b>Display Marks:</b>                   | Yes                    |
| <b>Calculator :</b>                     | None                   |
| <b>Magnifying Glass Required? :</b>     | No                     |
| <b>Ruler Required? :</b>                | No                     |
| <b>Eraser Required? :</b>               | No                     |
| <b>Scratch Pad Required? :</b>          | No                     |
| <b>Rough Sketch/Notepad Required? :</b> | No                     |
| <b>Protractor Required? :</b>           | No                     |
| <b>Show Watermark on Console? :</b>     | Yes                    |
| <b>Highlighter :</b>                    | No                     |
| <b>Auto Save on Console?</b>            | Yes                    |
| <b>Change Font Color :</b>              | No                     |
| <b>Change Background Color :</b>        | No                     |
| <b>Change Theme :</b>                   | No                     |
| <b>Help Button :</b>                    | No                     |
| <b>Show Reports :</b>                   | No                     |
| <b>Show Progress Bar :</b>              | No                     |

## Group 1

|                                      |           |
|--------------------------------------|-----------|
| <b>Group Number :</b>                | 1         |
| <b>Group Id :</b>                    | 51714483  |
| <b>Group Maximum Duration :</b>      | 0         |
| <b>Group Minimum Duration :</b>      | 180       |
| <b>Show Attended Group? :</b>        | No        |
| <b>Edit Attended Group? :</b>        | No        |
| <b>Break time :</b>                  | 0         |
| <b>Group Marks :</b>                 | 300       |
| <b>Is this Group for Examiner? :</b> | No        |
| <b>Examiner permission :</b>         | Cant View |
| <b>Show Progress Bar? :</b>          | No        |

## Paper I

|                                                              |           |
|--------------------------------------------------------------|-----------|
| Section Id :                                                 | 517144165 |
| Section Number :                                             | 1         |
| Section type :                                               | Online    |
| Mandatory or Optional :                                      | Mandatory |
| Number of Questions :                                        | 42        |
| Number of Questions to be attempted :                        | 42        |
| Section Marks :                                              | 100       |
| Enable Mark as Answered Mark for Review and Clear Response : | Yes       |
| Maximum Instruction Time :                                   | 0         |
| Sub-Section Number :                                         | 1         |
| Sub-Section Id :                                             | 517144508 |
| Question Shuffling Allowed :                                 | Yes       |
| Is Section Default? :                                        | null      |

Question Number : 1 Question Id : 51714412480 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

Which learning style is associated with understanding information through patterns and relationships?

ఏ అభ్యాస శైలి నమూనాల భాంధవ్యాల ద్వారా సమాచారాన్ని అర్థం చేసుకొనుటతో అనుబంధించబడినది?

Options :

1. ✘ Visual  
దృశ్య
2. ✘ Auditory  
శ్రవణ
3. ✔ Kinesthetic  
కిన్‌స్టేటిక్
4. ✘ Logical  
తార్కిక

Question Number : 2 Question Id : 51714412481 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

In a traditional lecture-based classroom, who primarily controls the flow of information?

సాంప్రదాయక ఉపన్యాస ఆధార తరగతి గదిలో సమాచార ప్రవాహాన్ని నియంత్రించునది ఎవరు?

Options :

1. ✘ Students  
విద్యార్థులు
2. ✘ Peers  
తోటివారు
3. ✔ Educational technology  
విద్యావిషయ సాంకేతికత
4. ✘ Teacher  
బోధకుడు

Question Number : 3 Question Id : 51714412482 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

How do support materials contribute to effective teaching?

మద్దతు పదార్థాలు సమర్థ భోదనకు ఎలా సహకరిస్తాయి?

Options :

1. ✘ By replacing the need for teacher involvement.  
బోధకుని ప్రమేయపు అవసరంతో భర్తీ చేయుట ద్వారా
2. ✘ By providing a distraction-free environment.  
పరధ్యానంలేని వాతావరణం కలిగించుట ద్వారా
3. ✔ By facilitating varied learning experiences.  
వివిధ అభ్యాస అనుభవాలను సులభతరం చేయుట ద్వారా
4. ✘ By automating assessment and grading.  
మదింపు, గ్రేడింగు స్వయం చాలకం చేయుట ద్వారా

Question Number : 4 Question Id : 51714412483 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

The term "elective courses" in a choice-based education system refers to courses that:

ఎంపిక ఆధార విద్యాపద్ధతిలో ఎన్నుకొనే కోర్సులు అనగా ఈ దిగువ కోర్సులు

Options :

1. ✘ Are mandatory for all students  
అందరు విద్యార్థులకు తప్పనిసరి
2. ✘ Are chosen by teachers for students  
విద్యార్థుల కొరకు బోధకులను ఎంపిక చేస్తారు
3. ✔ Students can choose based on their preferences  
విద్యార్థులు వారి ప్రాధాన్యతల ద్వారా ఎంపిక చేస్తారు
4. ✘ Are only related to physical education and sports  
శారీరక విద్య, క్రీడలకు మాత్రమే సంబంధించినది

Question Number : 5 Question Id : 51714412484 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is an example of ICT-based learning tool?

ఈ దిగువ వానిలో ఏది ICT-ఆధారిత అభ్యాస పరికరము

Options :

1. ✘ Whiteboard and marker  
తెల్లబోర్డు మరియు మార్కరు
2. ✘ Chalk and blackboard  
సుద్ద, నల్ల బోర్డు
3. ✔ Printed textbook  
మూద్రించిన పాఠ్యాంశ పుస్తకము

## Educational software on a tablet

టాబ్లెట్ పై విద్యా విషయ సాఫ్ట్‌వేర్

4. ✘

**Question Number : 6 Question Id : 51714412485 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Why is "replicable" an important feature of research?

ప్రతిరూపమైన అనునది ఎందువలన పరిశోధనా ముఖ్యలక్ష్యము

Options :

It allows researchers to keep their methods secret.

1. ✘

అది పరిశోధకులు తమ పద్ధతులను రహస్యంగా ఉంచటానికి ఉపయోగపడుతుంది

It ensures that research findings are applicable only to specific cases.

2. ✔

కొన్ని ప్రత్యేక కేసులలో మాత్రమే పరిశోధనా కనుగొనుటలు వర్తించేటట్లు చూస్తుంది

It allows other researchers to repeat the study to verify the results.

3. ✘

అది ఇతర పరిశోధకులు ఆ ఫలితాలను సరిచూచుటకు అధ్యయనం తిరిగి

చేయుటకువీలు కల్పిస్తుంది

It prevents other researchers from using similar methodologies.

4. ✘

ఇతర పరిశోధకులు అటువంటి పద్ధతులను వాడకుండా నిరోధిస్తుంది

**Question Number : 7 Question Id : 51714412486 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Post-positivist researchers are more likely to:

పోస్ట్ పోజిటివిస్ట్ పరిశోధకులు ఎక్కువ సంభావ్యంగా

Options :

Completely disregard quantitative data

1. ✘

పూర్తిగా పరిణాత్యక దత్తాంశాన్ని నిర్లక్ష్యం చేస్తారు

Focus solely on subjective experiences

ఆత్మశయ అనుభవాలపై దృష్టి పెడతారు

2. ✘

Acknowledge their own biases and limitations in research

పరిశోధనలో తమ స్వంత పక్షపాతాలను, పరిమితులను గౌరవిస్తారు

3. ✔

Reject the need for peer review and validation

తోటివారి సమీక్ష, ధృవీకరణల అవసరాన్ని తిరస్కరిస్తారు

4. ✘

Question Number : 8 Question Id : 51714412487 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

The APA referencing style is primarily used in which academic disciplines?

APA రిఫరెన్సింగు శైలిని సాధారణంగా ఏ విద్యాసంబంధ శాస్త్రంలో ఉపయోగిస్తారు

Options :

Social sciences

సాంఘిక శాస్త్రాలు

1. ✘

Natural sciences

సహజ శాస్త్రాలు

2. ✘

Engineering

ఇంజనీరింగు

3. ✔

Medicine

మందు

4. ✘

Question Number : 9 Question Id : 51714412488 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

How can ICT assist in the literature review process during research?

పరిశోధనలో గ్రంథ సమీక్షకు ICT ఎట్లు సహకరించ గలదు?

Options :

By providing opportunities for plagiarism

ఈ గ్రంథ చౌర్యమునకు అవకాశాలు కల్పిస్తు

1. ✘

By allowing researchers to skip the literature review phase

ఈ పరిశోధకులకు గ్రంథ సమీక్ష దశను దాటేటట్లు చేయుట ద్వారా

2. ✘

By offering access to online databases and academic journals

ఈ ఆన్‌లైన్ దత్తాంశ స్తావరాలు, విద్యాపత్రికలకు ప్రవేశం కల్పించుట ద్వారా

3. ✔

By replacing the need for citations and references

అనులేఖనాలు. ప్రస్తావనలు, అవసరాన్ని భర్తీచేయుట ద్వారా

4. ✘

Question Number : 10 Question Id : 51714412489 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

What is the function of an "Appendix" section in a thesis?

పరిశోధనా వ్యాసములో " అపెండిక్స్ " విభాగపు విధి ఏమి

Options :

To introduce the main research question

పరిశోధనా ముఖ్యప్రశ్నను పరిచయం చేయుట

1. ✘

To provide additional details that support the main text

ముఖ్యపాఠ్యగ్రంథానికి మద్దతుగా అదనపు వివరాలను ఇచ్చుట

2. ✔

To summarize the research findings

పరిశోధనా కనుగొనుటను సంగ్రహంగా చేయుట ద్వారా

3. ✘

To present the author's personal opinions

4. ✖ రచయిత వ్యక్తిగత భావనలను ఇచ్చట ద్వారా

**Sub-Section Number :** 2  
**Sub-Section Id :** 517144509  
**Question Shuffling Allowed :** No  
**Is Section Default? :** null

**Question Id : 51714412490 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Question Numbers : (11 to 15) Question Label : Comprehension**



Note: Answer the questions 11-15 by reading the following passage:

గమనిక: క్రింద ఇవ్వబడిన సమాచారం ఆధారంగా Q. 11 నుండి Q. 15 ప్రశ్నలకు సమాధానాలను వ్రాయండి.

The Castle of Edinburgh is free (as appears to be the case with all garrisoned places in Great Britain) to the entrance of any peaceable person. So we went in, and found a large space enclosed within the walls, and dwellings for officers, and accommodation for soldiers, who were being drilled, or loitering about; and as the hill still ascends within the wall of the castle, we climbed to the summit, and there found an old soldier whom we engaged to be our guide. He showed us Mons Meg, a great old cannon, broken at the breach, but still aimed threateningly from the highest ramparts; and then he admitted us into an old chapel, said to have been built by a Queen of Scotland, the sister of Harold, King of England, and occupying the very highest part of the hill. It is the smallest place of worship I ever saw, but of venerable architecture, and of very solid construction.

ఇఎడిన్బర్గ్ కోటలోకి శాంతియుతంగా ఉండే ఏ వ్యక్తికైనా ప్రవేశం ఉచితం ( గ్రేట్ బ్రిటన్ లోని అన్ని రక్షిత ప్రదేశాలలో ఉన్నట్లుగా ). కాబట్టి మేము లోపలికి వెళ్లి, గోడల లోపల ఒక పెద్ద స్థలాన్ని మరియు అధికారుల నివాసాలను, సైనికుల వసతిని చూసాము, డ్రిల్ చేస్తూ ఉన్న కొందరు సైనికుల్ని, అక్కడే తిరుగుతున్న మరికొందరి సైనికుల్ని చూసాము. కోట గోడ లోపల ఉన్న ఎత్తైన కొండ శిఖరం పైకి ఎక్కాము అక్కడ ఒక వృద్ధ సైనికుడిని మేము కలిసి అతనిని మా మర్గదర్శిగా నియమించుకున్నాము అతను మాకు మోస్ మెగ్, ఒక గొప్ప పాత ఫిరంగిని చూపించాడు. అది బ్రీచ్ వద్ద విరిగిపోయింది కాని ఇప్పటికీ ఎత్తైన ప్రాకారాల నుండి బెదిరించే లక్ష్యంతోనే ఉంది. ఆపై అతను మమ్మల్ని పాత ప్రార్థనా మందిరంలోకి తీసుకువెళ్లాడు. దీనిని ఇంగ్లండ్ రాజు హురార్డ్ సోదరి, స్కాట్లాండ్ రాణి నిర్మించిందని చెప్పాడు. ఈ కట్టడం కొండపై అత్యంత ఎత్తైన భాగాన నిర్మించబడింది. ఇది నేను చూసిన అతి చిన్న ప్రార్థనా స్థలం, కాని అది అద్భుతమైన వాస్తుశిల్పంతో కూడిన చాలా పటిష్టమైన నిర్మాణం.

### Sub questions

Question Number : 11 Question Id : 51714412491 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

There is a \_\_\_\_\_ inside the boundary wall of the castle

కోట ప్రహరీ గోడ లోపల ఒక \_\_\_\_\_ ఉంది.

Options :

1. ✘ low hill  
చిన్న కొండ

2. ✔ steep hill  
ఎత్తైన కొండ

3. ✘ boulder  
బండరాయి

4. ✘ rocky terrain  
రాతి భూభాగం

Question Number : 12 Question Id : 51714412492 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

There is a \_\_\_\_\_ intimidating from over the lofty bulwark.  
ఎత్తైన ప్రాకారాల మీద నుండి ఒక \_\_\_\_\_ బెదురుస్తున్నట్టుగా ఉంది

Options :

1. ✔ cannon  
ఫిరంగి

2. ✘ platoon of soldiers'  
సైనికుల బృందం

3. ✘ group of officers'  
అధికారుల బృందం

4. ✘ group of guards'  
గార్డుల సమూహం

Question Number : 13 Question Id : 51714412493 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

The old chapel is situated on the \_\_\_\_\_ of the hill.

పాత ప్రార్థనా మందిరం కొండ \_\_\_\_\_ ఉంది

Options :

1. ✘ foot  
దిగువన
2. ✘ ridge  
అంచున
3. ✔ summit  
శిఖరం పైన
4. ✘ surroundings  
పరిసరాలలో

Question Number : 14 Question Id : 51714412494 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

The author appreciates the chapel's \_\_\_\_\_

రచయిత ప్రార్థనా మందిరం యొక్క \_\_\_\_\_ని మెచ్చుకున్నారు

Options :

1. ✘ History  
చరిత్ర
2. ✘ location  
స్థలం
3. ✔ structural design  
నిర్మాణ రూపకల్పన
4. ✘ ambience  
వాతావరణం

Question Number : 15 Question Id : 51714412495 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

The author visited the castle, as a \_\_\_\_\_  
రచయిత, ఆ కోటను ఒక \_\_\_\_\_ సందర్శించారు

Options :

1. ✓ tourist  
పర్యాటకుడిగా
2. ✗ historian  
చరిత్రకారుడుగా
3. ✗ soldier  
సైనికుడుగా
4. ✗ archaeologist  
పురావస్తు శాస్త్రవేత్తగా

Sub-Section Number : 3  
Sub-Section Id : 517144510  
Question Shuffling Allowed : Yes  
Is Section Default? : null

Question Number : 16 Question Id : 51714412496 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0  
Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No  
Correct Marks : 2 Wrong Marks : 0

Being an \_\_\_\_\_ communicator helps in resolving conflicts and misunderstandings in communication.

\_\_\_\_\_ కమ్యూనికేటర్ గా ఉండటం వలన కమ్యూనికేషన్ లో విభేదాలు మరియు అపార్థాలను పరిష్కరించడంలో సహాయపడుతుంది.

Options :

1. ✓ empathetic  
సానుభూతిగల
2. ✗ inconsiderate  
ఆలోచించని

observant

గమనించే

3. ✘

inconsistent

అస్థిరమైన

4. ✘

Question Number : 17 Question Id : 51714412497 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Providing clear instructions and guidance for activities in a classroom is a strategy for \_\_\_\_\_ communication

తరగతి గదిలో కార్యకలాపాలకు స్పష్టమైన సూచనలు మరియు మార్గదర్శకత్వం అందించడం అనేది \_\_\_\_\_ కమ్యూనికేషన్ లో ఒక పద్ధతి.

Options :

controlled

1. ✘ నియంత్రించబడిన

procedural

2. ✔ విధానపరమైన

unintended

3. ✘ అనాలోచిత

content

4. ✘ విషయ పరిజ్ఞాన

Question Number : 18 Question Id : 51714412498 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Being \_\_\_\_\_ is a key to establish a genuine relationship with a person whose linguistic and cultural background is different

భాషా మరియు సాంస్కృతిక నేపథ్యం భిన్నంగా ఉన్నా వ్యక్తితో చక్కటి సంబంధాన్ని ఏర్పరచుకోవడానికి \_\_\_\_\_ గల వారు కావడం కీలకం

Options :

1. ✘ close- minded  
సంకుచిత మనస్సు
2. ✔ open- minded  
విశాల మనస్తత్వం కలవారు
3. ✘ self- reflexive  
స్వీయ పరావర్తన
4. ✘ self- respectful  
స్వీయ గౌరవం

Question Number : 19 Question Id : 51714412499 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

In order to have excellent decision making skills, a person needs to have \_\_\_\_\_ intelligence.

అద్భుతమైన నిర్ణయం తీసుకునే నైపుణ్యాలను కలిగి ఉండాలంటే, ఒక వ్యక్తికి \_\_\_\_\_ పరమైన తెలివితేటలు ఉండాలి.

Options :

1. ✘ social  
సామాజిక
2. ✘ psychological  
మానసిక
3. ✘ spiritual  
ఆధ్యాత్మిక
4. ✔ emotional  
భావోద్వేగ

Question Number : 20 Question Id : 51714412500 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

Radio and television are the examples of \_\_\_\_\_ media

రేడియో మరియు టెలివిజన్ \_\_\_\_\_ మాధ్యమాలకు ఉదాహరణలు

Options :

- 1. ✓ electronic  
విద్యుత్కణ
- 2. ✗ print  
ముద్రణ
- 3. ✗ social  
సామజిక
- 4. ✗ traditional  
సంప్రదాయకమైన

Question Number : 21 Question Id : 51714412501 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

8, 4, 4, 6, 12, 30, \_\_\_\_\_

Options :

- 1. ✗ 75
- 2. ✗ 95
- 3. ✓ 90
- 4. ✗ 105

Question Number : 22 Question Id : 51714412502 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

EUILN, DWFPI, \_\_\_ CXEQH, GSKJP

Options :

1. ✓ FTJKO
2. ✗ FUILM
3. ✗ EULIM
4. ✗ ETJKO

Question Number : 23 Question Id : 51714412503 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

In a certain code language if the word FRAME = 48 and HURDLE =74 then FIGMENT= ?

ఒక నిర్దిష్ట కోడ్ భాషలో FRAME = 48 మరియు HURDLE =74 పదం అయితే FIGMENT= ?

Options :

1. ✗ 74
2. ✗ 89
3. ✗ 91
4. ✓ 81

Question Number : 24 Question Id : 51714412504 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0



Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Shiva starts a business with an investment of Rs. 1,00,000. Pradeep joins him after 3 months with an investment of Rs. 1,50,000. \_\_\_\_\_ is the Shiva's share in the total first year profit which was Rs. 51,000.

శివ రూ.1,00,000 పెట్టుబడితో వ్యాపారం ప్రారంభించాడు. ప్రదీప్ 3 నెలల తర్వాత

రూ. 1,50,000 ల పెట్టుబడితో అతనితో చేరాడు. \_ మొదటి సంవత్సరం

మొత్తం లాభంలో శివ వాటా రూ. 51,000 ఐన అందులో శివ వాటా \_\_\_\_\_

Options :

1. ✘ 21,000
2. ✘ 20,000
3. ✘ 27,000
4. ✔ 24,000

Question Number : 25 Question Id : 51714412505 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

A trader loses 20% when he sells a TV set for Rs. 12,000. The percentage he will gain by selling it for Rs. 20,000 is \_\_\_\_\_

ఒక వ్యాపారి టీవీ సెట్‌ను రూ.12,000.కి అమ్మినప్పుడు 20% నష్టపోతాడు. రూ. 20,000 కి అమ్మడం ద్వారా అతను పొందే లాభ శాతం. \_

Options :

1. ✘ 15%
2. ✔ 33.33%
3. ✘ 16.66%

25%

4. ✘

Question Number : 26 Question Id : 51714412506 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No  
Correct Marks : 2 Wrong Marks : 0

Statements:

No village is a city.  
All cities are states.

ప్రకటనలు:

ఏ పల్లెటూరు నగరం కాదు.  
అన్ని నగరాలు రాష్ట్రాలే.

Conclusions:

I. Some villages are cities.  
II. Some cities are states.

తీర్మానాలు:

I. కొన్ని గ్రామాలు నగరాలు.  
II. కొన్ని నగరాలు రాష్ట్రాలు

Options :

1. ✘ I follow

2. ✔ II follows

3. ✘ Both I & II follows.

4. ✘ Neither I nor II follows

Question Number : 27 Question Id : 51714412507 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No  
Correct Marks : 2 Wrong Marks : 0

In a class of 90 students, 60 opted Maths, 50 opted Science and 20 opted both.  
How many students opted only Science?

90 మంది విద్యార్థులున్న తరగతిలో 60 మంది మ్యాథ్స్, 50 మంది సైన్స్, 20 మంది రెండింటినీ ఎంచుకున్నారు. ఎంతమంది విద్యార్థులు సైన్స్ ను మాత్రమే ఎంచుకున్నారు?

Options :

1. ✘ 20
2. ✔ 30
3. ✘ 40
4. ✘ 50

Question Number : 28 Question Id : 51714412508 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

How is my son's daughter's sibling's mother related to my wife's only son?

నా కొడుకు కూతురు తోబుట్టువు తల్లికి, నా భార్య ఒక్కగానొక్క కొడుక్కి బాంధవ్యం ఏమిటి?

Options :

1. ✘ Sister
2. ✘ Sister-in-law
3. ✔ Wife
4. ✘ Aunt

Question Number : 29 Question Id : 51714412509 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Which one of the following is signified by Udaharana of Anumana (Inference) in Indian Logic?

ఈ క్రిందివాటిలో భారతీయ తర్కంలో అనుమాన (నిర్ధారణ) యొక్క ఉదాహరణ సూచించునది ఏది?

Options :

1. ✘ Statement of reason  
కారణం యొక్క ప్రకటన
2. ✘ Proposition to be proved  
నిరూపించవలసిన ప్రతిపాదన
3. ✘ Conclusion proved  
ముగింపు నిరూపించబడింది
4. ✔ Universal proposition along with an instance  
ఉదాహరణతో పాటు సార్వత్రిక ప్రతిపాదన

Question Number : 30 Question Id : 51714412510 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Consider the following statements and choose the right option

దిగువ స్టేట్ మెంట్ లను పరిగణనలోకి తీసుకోండి మరియు సరైన ఆప్షన్ ఎంచుకోండి

- a) Pratyaksha based on the perception of an object and Shruti based on hearing.  
ఒక వస్తువు యొక్క గ్రహణం ఆధారంగా ప్రత్యక్ష, వినికిడి ఆధారంగా శ్రుతి.
- b) According to the Naiyayikas, inference is of two kinds, namely, Svarthanumana (Inference for one self) and Pararthanumana (Inference for the sake of others).  
నయాయీకుల ప్రకారం, ఊహ రెండు రకాలు, అవి ఉ స్వార్థనుమన (ఒక ఆత్మకు ఊహ) మరియు పరార్థనుమన (ఇతరుల కోసం అంచనా).

Options :

Only (a)  
(a) మాత్రమే

1. ✘

Only (b)  
(b) మాత్రమే

2. ✘

Both (a) and (b)  
(a) మరియు (b) రెండూ

3. ✔

Neither (a) nor (b)  
(a) లేదా (b) రెండూ కాదు

4. ✘

|                              |           |
|------------------------------|-----------|
| Sub-Section Number :         | 4         |
| Sub-Section Id :             | 517144511 |
| Question Shuffling Allowed : | No        |
| Is Section Default? :        | null      |

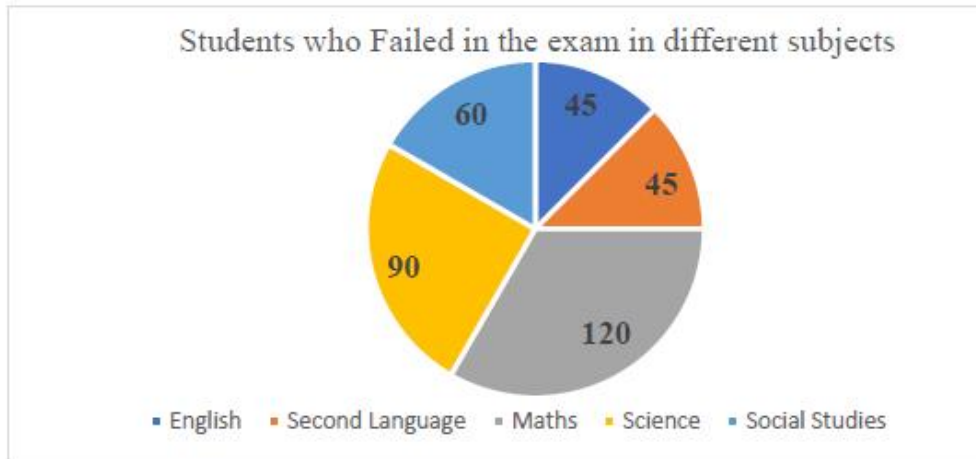
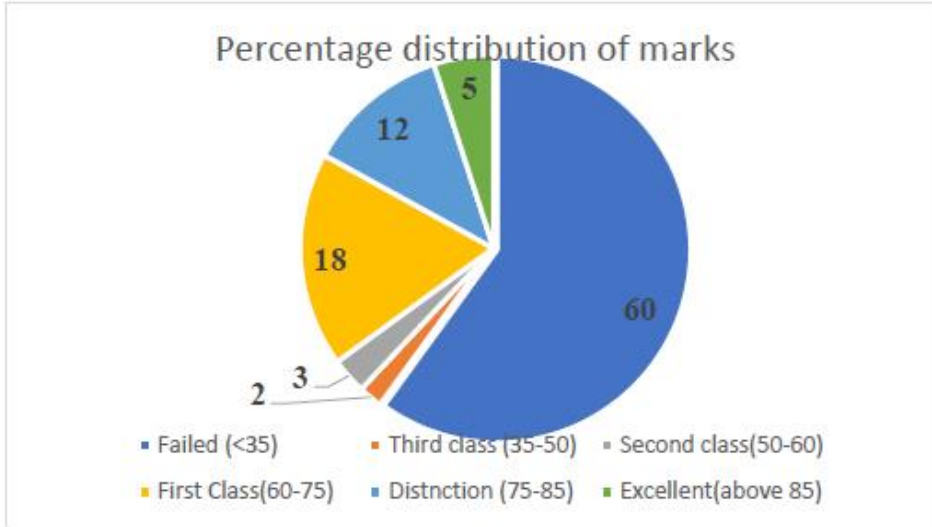
**Question Id : 51714412511 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Question Numbers : (31 to 35) Question Label : Comprehension**

Note: Answer the questions Q. 31 to Q. 35 on the basis of the information given below.

గమనిక: క్రింద ఇవ్వబడిన సమాచారం ఆధారంగా Q. 31 నుండి Q. 35 ప్రశ్నలకు సమాధానాలు వ్రాయండి.

The following pie charts show the results of a board examination. Total number of students appeared for the exam is 77,000

క్రింది పై చార్టులు బోర్డు పరీక్ష ఫలితాలను చూపుతాయి. పరీక్షకు హాజరైన మొత్తం విద్యార్థుల సంఖ్య 77,000



### Sub questions

Question Number : 31 Question Id : 51714412512 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

How many students failed in Mathematics in the board exam?

బోర్డు పరీక్షలో గణితంలో ఎంత మంది విద్యార్థులు ఫెయిల్ అయ్యారు?

Options :

1. ✘ 46200

2. ✔ 15400

3. ✘ 11550

4. ✘ 5775

**Question Number : 32 Question Id : 51714412513 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

If 10% of the students who appeared, got 100% of the marks in Mathematics, then the number of students failed in Mathematics is how much percentage more than the number of students who got 100% of marks in the same subject?

హాజరైన విద్యార్థుల్లో 10% మంది గణితంలో 100% మార్కులు తెచ్చుకుంటే, అదే సభ్యత్వంలో 100% మార్కులు వచ్చిన విద్యార్థుల సంఖ్య కంటే గణితంలో ఫెయిల్ అయిన విద్యార్థుల సంఖ్య ఎంత శాతం ఎక్కువ?

**Options :**

1. ✘ 50%

2. ✔ 100%

3. ✘ 150%

4. ✘ 200%

**Question Number : 33 Question Id : 51714412514 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

If 10% of the students who failed in science were made to pass by giving 5 grace marks, 40% of them secure more than 85% of the total marks in the five subjects as a result of these grace marks. The new number of students who got more than 85% of the marks is \_\_\_\_\_

సైన్స్ లో ఫెయిల్ అయిన వారిలో 10% మంది విద్యార్థులు 5 గ్రేస్ మార్కులు ఇచ్చి ఉత్తీర్ణులయ్యేలా చేస్తే, వారిలో 40% మంది ఈ గ్రేస్ మార్కుల ఫలితంగా ఐదు సబ్జెక్టుల్లో మొత్తం 85% కంటే ఎక్కువ మార్కులు సాధించారు. 85% కంటే ఎక్కువ మార్కులు పొందిన విద్యార్థుల కొత్త సంఖ్య \_\_\_\_\_

Options :

1. ✓ 4312
2. ✗ 3214
3. ✗ 1342
4. ✗ 2314

Question Number : 34 Question Id : 51714412515 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

In the next year, the total number of students appearing for the exam increased by 10% and the number of students who failed in social studies is what percentage of the total students who appeared for the exam.

మరుసటి సంవత్సరంలో, పరీక్షకు హాజరయ్యే మొత్తం విద్యార్థుల సంఖ్య 10% పెరిగింది మరియు సోషల్ స్టడీస్ లో ఫెయిల్ అయిన విద్యార్థుల సంఖ్య పరీక్షకు హాజరైన మొత్తం విద్యార్థులలో ఎంత శాతం ఉంది.

Options :

1. ✗ 8 1/3 %
2. ✓ 9 1/11%
3. ✗ 10%
4. ✗ 11 1/9 %



Question Number : 35 Question Id : 51714412516 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

The number of students who failed in Mathematics in terms of percentage is  
శాతం పరంగా గణితంలో ఫెయిల్ అయిన విద్యార్థుల సంఖ్య

Options :

1. ✘ 120
2. ✘ 100
3. ✘ 60
4. ✔ 20

Sub-Section Number : 5  
Sub-Section Id : 517144512  
Question Shuffling Allowed : Yes  
Is Section Default? : null

Question Number : 36 Question Id : 51714412517 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

What is the full form of SSD?  
ఎస్.ఎస్.డి పూర్తి నామము

Options :

1. ✘ Smart State Display
2. ✘ Smart State Drive
3. ✘ Solid State Display
4. ✔ Solid State Drive

Question Number : 37 Question Id : 51714412518 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

An unsolicited email message sent to many recipients at once is .....

అయాచిత ఇ మెయిలు వార్తను చాలా మందికి ఒకేసారి పంపించుటను

Options :

1. ✘ Virus
2. ✘ Attack
3. ✔ Spam
4. ✘ Memes

Question Number : 38 Question Id : 51714412519 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

Which of the following is a digital initiative for Robotics Outreach Project.

రోబోటిక్సు ఔట్‌రీచ్ ప్రాజెక్టు ఈ దిగువది ఒక డిజిటల్ చొరవ

Options :

1. ✘ e-Vidwan  
ఇ- విద్వాన్
2. ✔ e-Yantra  
ఇ- యంత్ర
3. ✘ e-Kalpa  
ఇ- కల్ప
4. ✘ None of the above  
పైవేవి కావు

Question Number : 39 Question Id : 51714412520 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

Firewalls are used to protect a communication network system against .....

ఒక వార్త నెట్‌వర్కును ఈ దిగువ నుండి రక్షించుటకు ఫైర్‌వాల్యును ఉపయోగింతురు

Options :

Virus attacks

వైరస్ దాడులు

1. ✘

Unauthorized attacks

అనధికార దాడులు

2. ✔

Data driven attacks

డేటా ఆధారిత దాడులు

3. ✘

Fire-attacks

ఫైర్ దాడులు

4. ✘

Question Number : 40 Question Id : 51714412521 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

URL stands for

యూ.ఆర్.ఎల్ అనగా

Options :

Universal Resource Location

1. ✘

Universal Response Locator

2. ✘

Unified Response Location

3. ✘

4. ✓ Uniform Resource Locator

Question Number : 41 Question Id : 51714412522 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

Designing self-sustaining systems is a viable path towards long-term progress.  
దీర్ఘకాల ప్రగతికి, స్వయం నిలకడ గల పద్ధతులను డిజైను చేయుట

Options :

1. ✘ Irreversible and flexible  
అిప్పికోట్టలేనిది, అనువైనది
2. ✓ Reversible and flexible  
అిప్పికోట్టగలది, అనువైనది
3. ✘ Reversible and inflexible  
అిప్పికోట్టగలది, అనువైనది కాదు
4. ✘ Immutable and unchangeable  
మార్పులేనిది. మార్పుచేయలేనిది

Question Number : 42 Question Id : 51714412523 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

Which of the following agents is responsible for turning the Taj Mahal yellow?  
తాజ్ మహలును పసుపు పచ్చగా మార్చు వస్తువు

Options :

1. ✘ Sulphur  
సల్ఫర్
2. ✘ Chlorine  
క్లోరిన్

Sulphur dioxide  
సల్ఫర్ డై ఆక్సైడ్

3. ✓

Nitrogen dioxide  
నైట్రోజన్ డై ఆక్సైడ్

4. ✘

Question Number : 43 Question Id : 51714412524 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

Why wind energy is considered a conventional source of energy?  
గాలి శక్తిని ఎందువలన సంప్రదాయక శక్తి వనరుగా భావించేదరు?

Options :

as it can rotate a windmill  
అది గాలి యంత్రాన్ని తిప్పగలదు

1. ✘

as it can help in lifting water  
అది నీటిని పైకి పంపగలదు

2. ✘

as it is readily available and used for a long time  
అది వెంటనే దొరకును. దీర్ఘకాలం ఉపయోగించవచ్చును.

3. ✓

As it is produced due to uneven heating of the Earth  
భూమి అసమానంగా వేడేక్కుట వలన అది ఉత్పత్తి అగును

4. ✘

Question Number : 44 Question Id : 51714412525 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

International Day of Natural Disaster Reduction is celebrated on.....

జాతీయ విపత్తు తగ్గింపు అంతర్జాతీయ దినము వేడుక చేసుకొను రోజు

Options :

June 15  
జూన్ 15

1. ✘

March 5  
మార్చి 5

2. ✘

October 13  
అక్టోబరు 13

3. ✔

September 13  
సెప్టెంబరు 13

4. ✘

**Question Number : 45 Question Id : 51714412526 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

In which year the National Environment Protection Act was passed in India?

ఇండియాలో జాతీయ వాతావరణ రక్షణ చట్టాన్ని అనుమతించిన సంవత్సరం?

Options :

1974

1. ✘

1981

2. ✘

1986

3. ✔

1995

4. ✘

**Question Number : 46 Question Id : 51714412527 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Which is the first Open University in India?

ఇండియాలో మొదటి సార్వత్రిక విశ్వవిద్యాలయము

Options :

1. ✓ Andhra Pradesh Open University  
ఆంధ్రప్రదేశ్ సార్వత్రిక విశ్వవిద్యాలయము

2. ✘ Yashwantrao Chavan Maharashtra Open University  
యశ్వంత రావు చవన్ మహారాష్ట్ర సార్వత్రిక విశ్వవిద్యాలయము

3. ✘ Indira Gandhi National Open University  
ఇందిరా గాంధీ జాతీయ సార్వత్రిక విశ్వవిద్యాలయము

4. ✘ Nalanda Open University  
నలందా సార్వత్రిక విశ్వవిద్యాలయము

Question Number : 47 Question Id : 51714412528 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

What is the full form of ABC as per the NEP 2020?  
NEP 2020 ప్రకారము ABC అనగా

Options :

1. ✘ Academic Basic Certificate.

2. ✘ Annual Basic Certificate.

3. ✘ Annual Bank of Credits

4. ✓ Academic Bank of Credits

Question Number : 48 Question Id : 51714412529 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

The purpose of value education is best served by focusing on...

ఈ క్రింది దానిపై దృష్టి పెడితే విలువ విద్య యొక్క ఉద్దేశము చక్కగా నేరవేరుతుంది

Options :

Cultural practices prevailing in the society.

సమాజములో ఉన్న సాంస్కృతిక ఆచరణలు

1. ✘

Norms of conduct laid down by a social group

ఒక సమాజ సమూహము పెట్టిన నడవడి నియమవళి

2. ✘

Concern for human values.

మానవ విలువలకు ఆందోళన

3. ✔

Religious,moral practices and instructions

మత, నీతి ఆచరణాలు, ఆదేశాలు

4. ✘

Question Number : 49 Question Id : 51714412530 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

The best way for providing value education is through?

విలువ విద్య అందించుటకు సరియైన పద్ధతి

Options :

Discussions on scriptural texts

వ్రాత గ్రంథాలపై చర్చలు

1. ✘

Lectures/discourses on values

విలువలపై ఉపన్యాసాలు, ప్రసంగాలు

2. ✘

Seminars / symposia on values

విలువలపై సదస్సులు/ గోష్టిలు

3. ✘

Mentoring / reflective sessions on values

విలువలపై హితోప దేశ/ ప్రతిబింబ సమావేశాలు

4. ✔



Question Number : 50 Question Id : 51714412531 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

The full form of SAMVAY is.....

SAMVAY పూర్తి రూపము

Options :

1. ✘ School Assessment Matrix for Vocational Analysis of Youth
2. ✔ Skill Assessment Matrix for Vocational Analysis of Youth
3. ✘ Skill Accreditation Matrix for Vocational Advancement of Youth
4. ✘ School Accreditation Matrix for Vocational Advancement of Youth

## Paper II

|                                                              |           |
|--------------------------------------------------------------|-----------|
| Section Id :                                                 | 517144166 |
| Section Number :                                             | 2         |
| Section type :                                               | Online    |
| Mandatory or Optional :                                      | Mandatory |
| Number of Questions :                                        | 100       |
| Number of Questions to be attempted :                        | 100       |
| Section Marks :                                              | 200       |
| Enable Mark as Answered Mark for Review and Clear Response : | Yes       |
| Maximum Instruction Time :                                   | 0         |
| Sub-Section Number :                                         | 1         |
| Sub-Section Id :                                             | 517144513 |
| Question Shuffling Allowed :                                 | Yes       |
| Is Section Default? :                                        | null      |

Question Number : 51 Question Id : 51714412532 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

What layer in Earth's atmosphere reflects radio waves, enabling long-distance communication?

Options :

1. ✘ Troposphere
2. ✔ Ionosphere
3. ✘ Mesosphere
4. ✘ Exosphere

Question Number : 52 Question Id : 51714412533 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

Within marine ecosystems, what exhibits high biodiversity, often earning it the nickname "rainforests of the sea"?

Options :

1. ✔ Coral Reefs
2. ✘ Mangroves
3. ✘ Abyssal Plains
4. ✘ Kelp Forests

Question Number : 53 Question Id : 51714412534 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

In a forest ecosystem, which species holds the role of a keystone species, significantly impacting the diversity and abundance of other community members?

Options :

1. ✘ Squirrel
2. ✘ Robin
3. ✘ Beaver
4. ✔ Wolf

**Question Number : 54 Question Id : 51714412535 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

The principle states that energy cannot be created or destroyed in an isolated system, but it can only change forms or be transferred between the system and its surroundings?

**Options :**

1. ✘ Zero Law of Thermodynamics
2. ✔ First Law of Thermodynamics
3. ✘ Second Law of Thermodynamics
4. ✘ Third Law of Thermodynamics

**Question Number : 55 Question Id : 51714412536 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

Meteorological parameters that is typically measured in millimeters or inches?

**Options :**

1. ✘ Temperature

2. ✘ Wind Velocity

3. ✔ Precipitation

4. ✘ Humidity

**Question Number : 56 Question Id : 51714412537 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Wind roses are graphical representations of:

**Options :**

1. ✔ Wind speed and direction distribution

2. ✘ Wind direction only

3. ✘ Wind speed only

4. ✘ Temperature and pressure distribution

**Question Number : 57 Question Id : 51714412538 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

What is the term for the fraction of solar energy that is reflected directly back to space by Earth's surface and atmosphere?

**Options :**

1. ✔ Albedo

2. ✘ Absorptivity

3. ✘ Transmissivity

4. ✘ Reflectivity

**Question Number : 58 Question Id : 51714412539 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

What is the process in which a gas changes directly to a solid without passing through the liquid state?

**Options :**

1. ✘ Condensation

2. ✔ Deposition

3. ✘ Sublimation

4. ✘ Precipitation

**Question Number : 59 Question Id : 51714412540 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

In the context of sustainable development, what does the "triple bottom line" approach refer to?

**Options :**

1. ✘ Focusing on economic growth, environmental protection, and political stability

2. ✘ Prioritizing social welfare, industrial growth and technological advancement

3. ✓ Balancing economic, social and environmental considerations

4. ✘ Maximizing profits, minimizing costs and reducing resource consumption

**Question Number : 60 Question Id : 51714412541 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The Amazon Rainforest is primarily located in which biogeographic province?

**Options :**

1. ✘ Afrotropical Province

2. ✘ Australasian Province

3. ✘ Indo-Malayan Province

4. ✓ Neotropical Province

**Question Number : 61 Question Id : 51714412542 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Technology involved in capturing, storing, analyzing, and managing spatial data for better decision-making?

**Options :**

1. ✘ Remote Sensing

2. ✘ GPS Tracking

3. ✓ Geographic Information System

4. ✘ Telemetry

**Question Number : 62 Question Id : 51714412543 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The process of converting satellite images into usable information by applying various algorithms is known as

**Options :**

- 1. ✘ Remote Sensing
- 2. ✘ Data Mining
- 3. ✔ Digital Image Processing
- 4. ✘ Image Interpretation

**Question Number : 63 Question Id : 51714412544 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

In climate change assessment, which remote sensing technique is often used to monitor the extent of polar ice melting?

**Options :**

- 1. ✘ Lidar
- 2. ✔ Synthetic Aperture Radar
- 3. ✘ Hyper Spectral Imaging
- 4. ✘ Radiometric Calibration

**Question Number : 64 Question Id : 51714412545 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

What is the primary objective of environmental education?

**Options :**

1. ✓ Raising awareness and fostering responsible behavior towards the environment
2. ✗ Enhancing scientific research
3. ✗ Promoting environmental regulations
4. ✗ Training individuals for careers in environmental management

**Question Number : 65 Question Id : 51714412546 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The term refers to the process of recognizing, understanding, and addressing environmental challenges and their consequences?

**Options :**

1. ✗ Environmental justice
2. ✗ Environmental activism
3. ✓ Environmental literacy
4. ✗ Environmental mitigation

**Question Number : 66 Question Id : 51714412547 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**



Correct Marks : 2 Wrong Marks : 0

What principle underlies stoichiometry?

Options :

1. ✘ Law of Conservation of Energy
2. ✘ Law of Multiple Proportions
3. ✘ Law of Definite Proportions
4. ✔ Law of Conservation of Mass

Question Number : 67 Question Id : 51714412548 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No  
Correct Marks : 2 Wrong Marks : 0

Henry's law describes the relationship between the solubility of a gas in a liquid and ----

Options :

1. ✘ Temperature of the gas
2. ✔ Pressure of the gas
3. ✘ Volume of the gas
4. ✘ Concentration of the gas

Question Number : 68 Question Id : 51714412549 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No  
Correct Marks : 2 Wrong Marks : 0

Radioisotopes are unstable due to an excess of:

Options :

1. ✔ Neutrons
2. ✘ Electrons

3. ✘ Protons

4. ✘ Photons

**Question Number : 69 Question Id : 51714412550 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

What term refers to tiny solid or liquid particles suspended in the atmosphere?

**Options :**

1. ✘ Radicals

2. ✘ Ions

3. ✔ Aerosols

4. ✘ Isotopes

**Question Number : 70 Question Id : 51714412551 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The reaction between nitrogen dioxide ( $\text{NO}_2$ ) and hydroxyl radicals ( $\text{OH}^-$ ) leads to the formation of which compound that plays a significant role in atmospheric chemistry?

**Options :**

1. ✔ Nitric oxide (NO)

2. ✘ Ozone ( $\text{O}_3$ )

3. ✘ Sulfur dioxide ( $\text{SO}_2$ )

4. ✘ Carbon monoxide (CO)

**Question Number : 71 Question Id : 51714412552 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

In the ozone-oxygen cycle, what is the role of ozone in absorbing ultraviolet (UV) radiation?

Options :

1. ✘ Ozone absorbs UV radiation and releases it as visible light.
2. ✔ Ozone absorbs UV radiation and releases it as infrared radiation.
3. ✘ Ozone absorbs UV radiation and converts it into chemical energy.
4. ✘ Ozone absorbs UV radiation and heats the surrounding air.

Question Number : 72 Question Id : 51714412553 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

A key reaction in the formation of acid rain?

Options :

1. ✘ Nitric oxide (NO) reacting with ozone (O<sub>3</sub>)
2. ✘ Methane (CH<sub>4</sub>) reacting with oxygen (O<sub>2</sub>)
3. ✘ Carbon monoxide (CO) reacting with nitrogen dioxide (NO<sub>2</sub>)
4. ✔ Sulfur dioxide (SO<sub>2</sub>) reacting with water vapor (H<sub>2</sub>O)

Question Number : 73 Question Id : 51714412554 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

The Maillard reaction, which contributes to the browning of food, is an example of what type of chemical reaction?

Options :

1. ✓ Thermochemical reaction
2. ✘ Endothermic reaction
3. ✘ Photochemical reaction
4. ✘ Non-reversible reaction

**Question Number : 74 Question Id : 51714412555 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Water's high dielectric constant is due to:

**Options :**

1. ✘ Its low heat capacity
2. ✓ Its polarity
3. ✘ Its nonpolar nature
4. ✘ Its low surface tension

**Question Number : 75 Question Id : 51714412556 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

What is the main difference between Biochemical Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) tests?

**Options :**

1. ✓ BOD measures organic substances while COD measures inorganic substances.

2. ✘ BOD measures inorganic substances while COD measures organic substances.

3. ✘ BOD measures the dissolved oxygen level, while COD measures the chemical potential of oxygen.

4. ✘ BOD measures oxygen consumption by microorganisms, while COD measures dissolved oxygen levels.

**Question Number : 76 Question Id : 51714412557 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

In the pH scale, what does a pH value of 3 indicate?

Options :

1. ✘ Weakly basic solution

2. ✘ Neutral solution

3. ✔ Strongly acidic solution

4. ✘ Strongly basic solution

**Question Number : 77 Question Id : 51714412558 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

In a water body, if the redox potential (Eh) becomes highly positive, what process is likely occurring?

Options :

1. ✘ Anaerobic respiration

2. ✔ Oxidation of organic matter

3. ✘ Aerobic respiration
4. ✘ Reduction of inorganic compounds

**Question Number : 78 Question Id : 51714412559 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The soil horizons that contains the highest concentration of organic matter and humus?

Options :

1. ✔ O Horizon
2. ✘ A Horizon
3. ✘ B Horizon
4. ✘ C Horizon

**Question Number : 79 Question Id : 51714412560 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

What serves as a carbon dioxide (CO<sub>2</sub>) sink in the atmosphere?

Options :

1. ✘ Combustion of fossil fuels
2. ✘ Deforestation
3. ✔ Oceans
4. ✘ Volcanic eruptions

**Question Number : 80 Question Id : 51714412561 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

A neurological disorder, Minamata disease, caused through seafood contamination is \_\_\_\_\_.

**Options :**

1. ✘ Lead (Pb)
2. ✔ Mercury (Hg)
3. ✘ Cadmium (Cd)
4. ✘ Chromium (Cr)

**Question Number : 81 Question Id : 51714412562 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

Which category of air pollutants is characterized by being persistent, bioaccumulative and capable of long-range transport through air and water?

**Options :**

1. ✘ Greenhouse gases
2. ✘ Particulate matter
3. ✘ Volatile organic compounds (VOC)
4. ✔ Persistent organic pollutants (POP)

**Question Number : 82 Question Id : 51714412563 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

Polycyclic aromatic hydrocarbons (PAHs) commonly found in air pollution are primarily formed by the incomplete combustion of:

**Options :**

1. ✘ Sulfur-containing fuels
2. ✘ Greenhouse gases
3. ✘ Volatile organic compounds (VOC)
4. ✔ Biomass and fossil fuels

**Question Number : 83 Question Id : 51714412564 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Nuclear Magnetic Resonance (NMR) spectroscopy, what property of atomic nuclei is utilized for obtaining structural information about molecules?

**Options :**

1. ✘ Electromagnetic radiation absorption
2. ✘ Mass spectroscopy
3. ✔ Magnetic resonance
4. ✘ Fluorescence

**Question Number : 84 Question Id : 51714412565 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

In the Paper Chromatography, the R<sub>f</sub> value of a compound is calculated as the ratio of the distance traveled by the compound to the distance traveled by the:

**Options :**

1. ✔ Solvent front



2. ✘ Sample application spot

3. ✘ Elution front

4. ✘ Stationary phase

**Question Number : 85 Question Id : 51714412566 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

A data set with extreme outliers, which measure of central tendency is the most robust?

**Options :**

1. ✘ Mean

2. ✔ Median

3. ✘ Mode

4. ✘ Standard deviation

**Question Number : 86 Question Id : 51714412567 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

What is the relationship between the standard deviation of the population and the standard error of the sample mean?

**Options :**

1. ✘ Standard error is always larger than standard deviation

2. ✔ Standard error is always smaller than standard deviation

3. ✘ The standard deviation and standard error are identical

4. ✘ There is no dependable relationship between them

**Question Number : 87 Question Id : 51714412568 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

In a symmetric distribution, which measure of skewness will be close to zero?

**Options :**

1. ✔ Karl Pearson's Coefficient of Skewness
2. ✘ Bowley's Coefficient of Skewness
3. ✘ Median Skewness
4. ✘ Mean Skewness

**Question Number : 88 Question Id : 51714412569 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

In a bag, there are 3 red balls, 5 green balls, and 4 blue balls. If 2 balls are drawn without replacement, what is the probability of drawing 2 balls of different colors?

**Options :**

1. ✘  $5/33$
2. ✘  $10/33$
3. ✔  $11/33$
4. ✘  $16/33$

**Question Number : 89 Question Id : 51714412570 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

Correct Marks : 2 Wrong Marks : 0

In a binomial distribution, what is the formula for the variance?

Options :

1. ✓  $np(1 - p)$
2. ✗  $nq(1 - q)$
3. ✗  $n^2p(1 - p)$
4. ✗  $n^2q(1 - q)$

Question Number : 90 Question Id : 51714412571 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

The t-test is used to compare means between which of the following situations?

Options :

1. ✗ Two paired samples
2. ✓ Two independent samples
3. ✗ One categorical variable and one continuous variable
4. ✗ One independent sample and one paired sample

Question Number : 91 Question Id : 51714412572 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

In ANOVA, what does a high F-value suggest?

Options :

1. ✗ Homogeneity of variances

2. ✘ No significant differences among group means
3. ✔ Significant differences among group means
4. ✘ Symmetry of the data

**Question Number : 92 Question Id : 51714412573 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

In hypothesis testing, the null hypothesis is typically denoted by:

Options :

1. ✔  $H_0$
2. ✘  $H_1$
3. ✘ P-value
4. ✘  $\alpha$  (alpha)

**Question Number : 93 Question Id : 51714412574 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Ecological interactions such as predation, competition, and mutualism are best classified as examples of:

Options :

1. ✘ Abiotic factors
2. ✔ Biotic factors

3. ✘ Climatic factors

4. ✘ Cultural factors

**Question Number : 94 Question Id : 51714412575 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Allopatric speciation occurs due to:

**Options :**

1. ✔ Geographic isolation

2. ✘ Sympatric isolation

3. ✘ Genetic drift

4. ✘ Gene flow

**Question Number : 95 Question Id : 51714412576 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Biotic components of ecosystems include:

**Options :**

1. ✘ Water and minerals

2. ✘ Rocks and soil

3. ✔ Producers, consumers, and decomposers

4. ✘ Temperature and sunlight

**Question Number : 96 Question Id : 51714412577 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Primary succession occurs in areas:

**Options :**

1. ✘ That have experienced a recent disturbance
2. ✘ With established soil and vegetation
3. ✘ With well-adapted organisms
4. ✔ Where no previous community exists

**Question Number : 97 Question Id : 51714412578 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Ecosystems can be classified based on:

**Options :**

1. ✘ Only abiotic factors
2. ✘ Only biotic factors
3. ✔ Both abiotic and biotic factors
4. ✘ None of the above

**Question Number : 98 Question Id : 51714412579 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Which forest ecosystem is found in areas with long, cold winters and coniferous trees?

**Options :**

1. ✘ Tropical rainforest
2. ✘ Temperate deciduous forest
3. ✔ Boreal forest
4. ✘ Mangrove forest

**Question Number : 99 Question Id : 51714412580 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Estuarine ecosystems are known for their unique:

**Options :**

1. ✘ Desert vegetation
2. ✔ Mangrove forests
3. ✘ Mountainous terrain
4. ✘ Polar ice caps

**Question Number : 100 Question Id : 51714412581 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The biome dominated by coniferous trees and known for its cold winters is the:

Options :

1. ✘ Tundra
2. ✘ Savanna
3. ✔ Taiga
4. ✘ Tropical rain forest

**Question Number : 101 Question Id : 51714412582 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

'k' species are known for their:

Options :

1. ✘ High intrinsic growth rates
2. ✘ Adaptation to unstable environments
3. ✘ Small body size and short life spans
4. ✔ Slow population growth and stable environments

**Question Number : 102 Question Id : 51714412583 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

In a trophic cascade the removal of a keystone species can lead to:

Options :



Increased competition among predators

1. ✘

Overpopulation of herbivores

2. ✘

Disruption of the entire food chain

3. ✔

Improved ecosystem stability

4. ✘

**Question Number : 103 Question Id : 51714412584 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Allelopathy is a type of interaction where:

Options :

Organisms compete for resources

1. ✘

One species benefits while the other is harmed

2. ✔

One species benefits while the other is unaffected

3. ✘

Organisms exchange resources for mutual benefit

4. ✘

**Question Number : 104 Question Id : 51714412585 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Biodiversity hotspots are defined based on:

Options :

Total species richness

1. ✘

2. ✓ Endemism and threat status
3. ✘ Ecosystem productivity
4. ✘ Latitude and longitude coordinates

**Question Number : 105 Question Id : 51714412586 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The Shannon-Wiener index considers:

**Options :**

1. ✘ Only species richness
2. ✘ Only genetic diversity
3. ✘ Only species evenness
4. ✓ Both species richness and evenness

**Question Number : 106 Question Id : 51714412587 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Biopiracy refers to:

**Options :**

1. ✘ The legal sharing of genetic resources
2. ✓ Unauthorized commercial exploitation of biological resources
3. ✘ Conservation efforts for endangered species

4. ✘ Restoration of degraded ecosystems

**Question Number : 107 Question Id : 51714412588 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

An organism categorized as "endangered" is:

Options :

1. ✘ Very common in its habitat
2. ✘ In a stable and healthy population
3. ✔ At high risk of becoming extinct
4. ✘ Experiencing overpopulation

**Question Number : 108 Question Id : 51714412589 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The Red Panda (*Ailurus fulgens*) is listed as:

Options :

1. ✔ Endangered
2. ✘ Rare
3. ✘ Threatened
4. ✘ Extinct

**Question Number : 109 Question Id : 51714412590 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

The study of the harmful effects of chemicals on living organisms is known as:

Options :

1. ✘ Epidemiology
2. ✔ Toxicology
3. ✘ Pharmacology
4. ✘ Biotechnology

Question Number : 110 Question Id : 51714412591 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Which of the following laws describes the movement of groundwater through porous media?

Options :

1. ✘ Newton's law
2. ✘ Boyle's law
3. ✔ Darcy's law
4. ✘ Kepler's law

Question Number : 111 Question Id : 51714412592 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Retrofitting buildings involves incorporating flexible designs to withstand:

Options :

1. ✓ Earthquakes
2. ✘ Hurricanes
3. ✘ Floods
4. ✘ Tornadoes

**Question Number : 112 Question Id : 51714412593 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The Therapeutic Index (TI) is calculated as the ratio of:

Options :

1. ✓ LD50 to ED50
2. ✘ LD50 to TD50
3. ✘ ED50 to LD50
4. ✘ TD50 to ED50

**Question Number : 113 Question Id : 51714412594 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

What is a common vector for the transmission of West Nile virus?

Options :

1. ✘ Sandflies
2. ✘ Fleas
3. ✘ Ticks
4. ✔ Mosquitoes

**Question Number : 114 Question Id : 51714412595 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Phytoremediation refers to the use of:

**Options :**

1. ✘ Microbes for bioremediation
2. ✘ *In situ* techniques for remediation
3. ✔ Plants to remove or contain pollutants
4. ✘ Synthetic chemicals for pollution control

**Question Number : 115 Question Id : 51714412596 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Lichen species are often used as bioindicators because they are sensitive to changes in:

**Options :**

1. ✘ Atmospheric pressure

2. ✘ Temperature only
3. ✔ Air quality and pollution levels
4. ✘ Soil moisture content

**Question Number : 116 Question Id : 51714412597 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The process of primary geochemical differentiation led to the formation of Earth's distinct layers, including the:

**Options :**

1. ✔ Crust, mantle and core
2. ✘ Lithosphere, asthenosphere and mesosphere
3. ✘ Inner crust, outer mantle and inner core
4. ✘ Hydrosphere, lithosphere and atmosphere

**Question Number : 117 Question Id : 51714412598 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The movement of lithospheric plates on the Earth's surface, causing earthquakes, volcanic activity, and the creation of various landforms, is referred to as:

**Options :**

1. ✘ Climatic fluctuations
2. ✘ Bioaccumulation

3. ✓ Plate tectonics

4. ✘ Erosion

**Question Number : 118 Question Id : 51714412599 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

Soil forming minerals such as clay minerals are primarily derived from the weathering of:

**Options :**

1. ✘ Sedimentary rocks

2. ✓ Igneous rocks

3. ✘ Metastatic rocks

4. ✘ Fossil fuels

**Question Number : 119 Question Id : 51714412600 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

The primary goal of the 'Green India' mission is:

**Options :**

1. ✘ Industrial growth

2. ✘ Urban development

3. ✓ Enhancing forest cover



## Reducing water usage

4. ✘

**Question Number : 120 Question Id : 51714412601 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The National Mission on Sustainable Agriculture aims to ensure:

Options :

1. ✔ Food security
2. ✘ Monoculture farming
3. ✘ Industrial growth
4. ✘ Deforestation

**Question Number : 121 Question Id : 51714412602 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The Tehri Dam, located in which Indian state, has faced criticism for its environmental and social impacts?

Options :

1. ✘ Rajasthan
2. ✘ Madhya Pradesh
3. ✔ Uttarakhand
4. ✘ Odisha

**Question Number : 122 Question Id : 51714412603 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Hydro-power projects in which region of India are facing opposition due to concerns over their impact on local ecology, biodiversity and indigenous communities?

**Options :**

1. ✘ Western Ghats
2. ✘ Indo-Gangetic Plain
3. ✘ Central Highlands
4. ✔ Jammu & Kashmir, Himachal Pradesh and North-Eastern States

**Question Number : 123 Question Id : 51714412604 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The Narmada Bachao Andolan (NBA) is associated with protests against:

**Options :**

1. ✘ Pollution in major Indian rivers
2. ✔ Displacement due to large dams on the Narmada River
3. ✘ Water scarcity in northern India
4. ✘ Illegal sand mining in coastal areas

**Question Number : 124 Question Id : 51714412605 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

What is the primary objective of rainwater harvesting?

Options :

1. ✘ Reducing river flow
2. ✘ Preventing groundwater depletion
3. ✔ Capturing rainwater for reuse and recharge
4. ✘ Enhancing surface water pollution

Question Number : 125 Question Id : 51714412606 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Ramsar sites in India are primarily designated for the conservation of:

Options :

1. ✔ Wetlands
2. ✘ Deserts
3. ✘ Grasslands
4. ✘ Forests

Question Number : 126 Question Id : 51714412607 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

The restoration of lakes often involves addressing the problem of:

Options :

1. ✘ Low water levels
2. ✔ Eutrophication and pollution
3. ✘ Excessive groundwater recharge
4. ✘ Soil erosion

**Question Number : 127 Question Id : 51714412608 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

What is the key focus of the National River Conservation Plan (NRCP) known as "Namami Gange"?

**Options :**

1. ✘ Desert reclamation
2. ✘ Coastal erosion control
3. ✔ Cleaning and rejuvenating the Ganges River
4. ✘ Promoting water tourism

**Question Number : 128 Question Id : 51714412609 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The Appiko movement similar to Chipko aimed to protect forests in which region of India?

**Options :**

1. ✔ Western Ghats

2. ✘ Eastern Himalayas
3. ✘ Thar Desert
4. ✘ Eastern Ghats

**Question Number : 129 Question Id : 51714412610 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The Gandhamardhan movement is related to the conservation of forests in which state?

**Options :**

1. ✘ Karnataka
2. ✔ Odisha
3. ✘ Maharashtra
4. ✘ Madhya Pradesh

**Question Number : 130 Question Id : 51714412611 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The GOI-UNDP Sea Turtle project aims to:

**Options :**

1. ✘ Promote turtle hunting
2. ✘ Study turtle genetics
3. ✔ Conserve sea turtle populations and habitats

Develop sea turtle farming techniques

4. ✘

**Question Number : 131 Question Id : 51714412612 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

What is the primary purpose of carbon sequestration?

**Options :**

1. ✘ Generating electricity from carbon emissions
2. ✔ Capturing and storing carbon to mitigate climate change
3. ✘ Converting carbon dioxide into usable products
4. ✘ Accelerating the release of carbon from fossil fuels

**Question Number : 132 Question Id : 51714412613 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The term "carbon offset" refers to:

**Options :**

1. ✘ The amount of carbon dioxide released per capita
2. ✔ Reducing carbon emissions in one area to compensate for emissions in another
3. ✘ The carbon footprint of a specific activity
4. ✘ The total carbon emissions of a country

**Question Number : 133 Question Id : 51714412614 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Under the GRIHA (Green Rating for Integrated Habitat Assessment) rating norms, a building securing 57 points on a 100-point scale will be assigned with which of the following star ratings?

**Options :**

1. ✘ Two star
2. ✘ Five star
3. ✘ Four star
4. ✔ Three star

**Question Number : 134 Question Id : 51714412615 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Which disease is transmitted by the Aedes mosquito and is characterized by high fever, severe headache and joint pain?

**Options :**

1. ✘ Arsenocosis
2. ✘ Goitre
3. ✘ Fluorosis
4. ✔ Dengue

**Question Number : 135 Question Id : 51714412616 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

The Chernobyl Disaster of 1986 was a catastrophic nuclear accident that occurred in which country?

**Options :**

1. ✘ Japan
2. ✘ United States
3. ✔ Ukraine
4. ✘ Germany

**Question Number : 136 Question Id : 51714412617 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

When did National Disaster Management Authority formed?

**Options :**

1. ✘ 2000
2. ✔ 2005
3. ✘ 2010
4. ✘ 2015

**Question Number : 137 Question Id : 51714412618 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

The Lotka-Volterra model is used to describe:

**Options :**

1. ✔ Predator-prey interactions



2. ✘ Sampling theory
3. ✘ Central tendency
4. ✘ Skewness and kurtosis

**Question Number : 138 Question Id : 51714412619 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

What does "kurtosis" measure in a probability distribution?

**Options :**

1. ✘ The degree of skewness
2. ✘ The spread of the distribution
3. ✔ The peakness or flatness of the distribution
4. ✘ The variability of the sample mean from the population mean

**Question Number : 139 Question Id : 51714412620 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

What does an Environmental Management Plan (EMP) provide?

**Options :**

1. ✘ Guidelines for preparing an EIA
2. ✘ A summary of potential impacts
3. ✔ Strategies to manage and mitigate the impacts of a project

4. ✘ Budget estimation for the project

**Question Number : 140 Question Id : 51714412621 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

The "Kyoto Protocol" aim to achieve?

**Options :**

1. ✘ Promoting air travel
2. ✔ Reducing greenhouse gas emissions
3. ✘ Increasing industrial pollution
4. ✘ Encouraging deforestation

**Question Number : 141 Question Id : 51714412622 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

What is the primary goal of e-waste management?

**Options :**

1. ✘ Promoting e-waste generation
2. ✔ Managing and controlling the disposal of electronic waste
3. ✘ Ignoring electronic waste
4. ✘ Encouraging illegal dumping of e-waste

**Question Number : 142 Question Id : 51714412623 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

Correct Marks : 2 Wrong Marks : 0

Nuclear energy is primarily generated through which process?

Options :

1. ✓ Nuclear fission
2. ✗ Nuclear fusion
3. ✗ Nuclear decay
4. ✗ Nuclear transmutation

Question Number : 143 Question Id : 51714412624 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Assertion (A): Photosynthesis is a vital process that supports life on Earth by converting sunlight into energy-rich compounds.

Reason (R): Photosynthesis occurs only in plants and not in any other organisms.

Codes:

Options :

1. ✗ Both (A) and (R) are true and (R) is the correct explanation of (A).
2. ✗ Both (A) and (R) are true, but (R) is not the correct explanation of (A).
3. ✓ (A) is true but (R) is false.
4. ✗ (A) is false but (R) is true.

Question Number : 144 Question Id : 51714412625 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Assertion (A): Fossil fuels are considered non-renewable resources because they are formed over millions of years and cannot be quickly replenished.

Reason (R): Fossil fuels are primarily composed of organic materials from recent plant and animal remains.

Codes:

Options :

1. ✓ Both (A) and (R) are true and (R) is the correct explanation of (A).
2. ✗ Both (A) and (R) are true, but (R) is not the correct explanation of (A).
3. ✗ (A) is true but (R) is false.
4. ✗ (A) is false but (R) is true.

**Question Number : 145 Question Id : 51714412626 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 2 Wrong Marks : 0**

Match List – I with List – II which contains environmental issues and their primary causes:

List – I

(Environmental Issue)

- a. Toxic chemicals: Pesticides
- b. Biochemical aspects of heavy metals
- c. CO, O<sub>3</sub>, PAN, VOC and POP
- d. Carcinogens in the air

Identify the correct code:

Codes:

List – II

(Primary Causes)

- i. Industrial pollution
- ii. Burning of fossil fuels
- iii. Loss of tree cover
- iv. Release of CFCs

Options :

1. ✓ a-ii, b-i, c-iv, d-iii
2. ✗ a-iii, b-iv, c-i, d-ii
3. ✗ a-i, b-ii, c-iv, d-iii

4. ✘ a-iv, b-iii, c-ii, d-i

**Question Number : 146 Question Id : 51714412627 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Arrange the following conservation movements in the order of their occurrence:

**Options :**

1. ✘ Gandhamardhan Movement >Chipko Movement >Appiko Movement > Silent Valley Movement

2. ✘ Appiko Movement >Chipko Movement > Silent Valley Movement >Gandhamardhan Movement

3. ✘ Silent Valley Movement >Gandhamardhan Movement >Chipko Movement >Appiko Movement

4. ✔ Chipko Movement >Appiko Movement > Silent Valley Movement >Gandhamardhan Movement

**Question Number : 147 Question Id : 51714412628 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0**

Arrange the following analytical methods in the correct sequence of increasing specificity and sensitivity:

**Options :**

1. ✔ Paper Chromatography > TLC > GC > HPLC

2. ✘ HPLC > TLC > GC > Paper Chromatography

3. ✘ TLC > Paper Chromatography >GC > HPLC

4. ✖ Paper Chromatography > HPLC > GC > TLC

Question Number : 148 Question Id : 51714412629 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Which international agreement aims to regulate the trade in hazardous chemicals?

Options :

1. ✖ Montreal Protocol
2. ✖ Convention on Biological Diversity
3. ✔ Rotterdam Convention
4. ✖ Basel Convention

Question Number : 149 Question Id : 51714412630 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Match the following

A: Poliomyelitis  
B: Malaria  
C: Tuberculosis  
D: Ring worm

1. Bacteria  
2. Fungi  
3. Virus  
4. Protozoan

Options :

1. ✔ A3, B4, C1, D2
2. ✖ A4, B3, C2, D1
3. ✖ A4, B3, C1, D2
4. ✖ A2, B4, C2, D1

Question Number : 150 Question Id : 51714412631 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

The term "cone of depression" refers to:

Options :

1. ✘ A geological fault
2. ✘ A type of volcanic crater
3. ✘ A depression in the ocean floor
4. ✔ A localized lowering of the water table due to pumping