

TS SET

Notations :

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

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

Group 1

Group Number :	1
Group Id :	51714477
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	300
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Paper I

Section Id :	517144153
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 :	517144472
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 1 Question Id : 51714411568 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 classroom consists of students from diverse cultural backgrounds. How should a teacher address cultural differences to create an inclusive learning environment? Select all that apply.

ఒక తరగతి గదిలో వైవిధ్య విద్య సాంస్కృతికీ నేపథ్యంగల వారుంటారు బోధకుడు ఈ సాంస్కృతిక వైవిధ్యాలను అధిగమించి ఏ విధంగా కలుపుకొనే అభ్యాస వాతావరణాన్ని దృష్టించాలి సరియైనది ఎంపిక చేయుము

Options :

1. ✘ Ignore cultural differences to maintain uniformity
ఏకరూపతకు అన్ని సాంస్కృతిక బేధాలను విడనాడాలి
2. ✔ Incorporate culturally relevant examples and materials.
సాంస్కృతిక సంబంధ ఉదాహరణలు, వస్తువులు పొందుపరచాలి.
3. ✘ Design assessments that favor a specific cultural group.
ప్రత్య సాంస్కృతిక సమూహమునకు మదింపులు రూపకల్పన చేయాలి.
4. ✘ Assign group projects exclusively within the same cultural group.
అదే సమూహములో, సామూహిక పాజేక్టులను ఇయ్యాలి.

Question Number : 2 Question Id : 51714411569 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

You have a student who consistently struggles with written assignments but excels in verbal discussions. How can you support this student's learning needs? Select the best options.

ఒక విద్యార్థి వ్రాతపూర్వక అసైన్మెంట్లతో కూస్తీ పడతారు కాని నోటి చర్చలలో బాగా రాణిస్తాడు ఈ విద్యార్థి అభ్యాస అవసరాన్ని ఎట్లు తీర్చేదవు సరయైన ఎంపిక చేయుము

Options :

1. ✘ Provide only written assignments to improve their skills.
వాని నైపుణ్యం పెంచుటకు వ్రాతపూర్వక అసైన్మెంట్లు యిచ్చును
2. ✔ Allow them to demonstrate understanding through verbal presentations.
మెఖిక ప్రదర్శనల ద్వారా చేసుకొని నిరూపణ అవకాశం యివ్వాలి
3. ✘ Discourage verbal participation to encourage writing practice.
మూఖావంగా పాల్గొనుట నిరుత్సాహపరిచి వ్రాత ఆచరణను ప్రోత్సహించాలి.
4. ✘ Assign extra written assignments to enhance their skills.
అతని కౌశల్యాన్ని వృద్ధి చేసుకొనుటకు అదనపు వ్రాత అసైన్మెంట్లు యియ్యాలి

Question Number : 3 Question Id : 51714411570 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 primary advantage of online teaching methods?

ఆన్లైన్ బోధన పద్ధతుల ప్రాథమిక ప్రయోజనమేమి

Options :

1. ✘ Reduced flexibility in learning schedules.
అభ్యాసనా షెడ్యూళ్ళలో తగ్గించిన
2. ✘

Limited access to resources beyond the classroom.

తరగతి గది వెలుపల వనరులకు పరిమితి ప్రవేశము

3. ✓ Increased accessibility for remote learners.
సుదూర అభ్యాసకులకు పెంచిన ప్రవేశము

4. ✘ Decreased need for active student engagement.
క్రియతమక విద్యార్థి పాల్గొనుటలో తగ్గిన అవసరం

Question Number : 4 Question Id : 51714411571 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

You're a college student interested in learning new skills beyond your curriculum.

Which platform would be most suitable for you to access a wide range of courses?

నువ్వు ఒక కళాశాల విద్యార్థి పాఠ్యంశానికి వెలుపల కొత్త నైపుణ్యాలను అభ్యసించదలచారు.

వివిధ వ్యాప్తి కోర్సులకు మిక్కిలి తగిన వేదిక ఏది.

Options :

1. ✘ Traditional Classroom teaching
సాంప్రదాయక తరగతి గదిలో బోధన

2. ✘ SWAYAM Prabha
స్వయంప్రభ

3. ✓ MOOCs
మూక్స్

4. ✘

Traditional textbooks

సాంప్రదాయక పాఠ్యాంశ పుస్తకాలు

Question Number : 5 Question Id : 51714411572 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 principle behind a choice-based education system?

ఎంపిక ఆధారిత విద్యా పద్ధతి ముఖ్యోద్దేశం

Options :

1. ✘ A single standardized curriculum for all students
అందరు విద్యార్థులకు ఒకే ప్రాథ్యాంశము
2. ✘ Limited options for students to choose from
విద్యార్థులు ఎంపిక చేసుకొనుటకు పరిమితితో కూడిన ఐచ్ఛికలు
3. ✔ Allowing students to select courses based on their interests and goals
తమ ఆసక్తి, లక్ష్యాలను గురించి విద్యార్థులకు కోర్సులను ఎంపిక చేసుకొనుట
4. ✘ Assigning subjects randomly to students
విద్యార్థులకు యాదృచ్ఛికంగా విషయాలను కేటాయించుట

Question Number : 6 Question Id : 51714411573 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

"Objective" in research means:

"పరిశోధన " లో నిష్పక్షపాతము అనగా

Options :

Researchers can include personal biases in their findings.

1. ✘

పరిశోధకులు తాము కనుగొన్న వాటిలో వ్యక్తిగత పక్షపాతాలు చేర్చవచ్చు.

Research findings are based solely on intuition.

2. ✘

పరిశోధనలో కనుగొనెవి ముఖ్యంగా అంతర్దృష్టిపై ఆధారపడతాయి.

Research aims to uncover facts without being influenced by personal feelings or opinions.

3. ✔

పరిశోధన లక్ష్యలు, వ్యక్తిగత భావలు, అభిప్రాయాలలో ప్రభావితం కాకుండా వాస్తవాలను

వెలికితీయాలి

Researchers are free to manipulate data to support their beliefs.

4. ✘

ఈ పరిశోధకులు వారి నమ్మకాలనుగుణంగా దాతాంశాన్ని మార్చుకోవచ్చును.

Question Number : 7 Question Id : 51714411574 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 the post-positivist approach emphasize in terms of research methodology?

పరిశోధన పద్ధతిననుసరించి పోస్ట్‌పాజిటివ్ దృక్పథము ఏమి ఉద్ఘాటిస్తుంది

Options :

Avoiding any form of data collection

1. ✘

దత్తాంశ సేకరణను కల్పించుకొనుట

2. ✘

Using only qualitative research methods
గుణాత్మక పరిశోధన పద్ధతులనే ఉపయోగించుట

3. ✓ Incorporating multiple methods and perspectives to enhance understanding
అర్థం చేసుకొనుటను పెంచుటకు బహుళ పద్ధతులను, దృక్కోణాలను తీసుకొనుట

4. ✘ Strictly adhering to predetermined hypotheses without adaptation
ఈ కఠినంగా ముందుగా నిర్ణయించిన పరికల్పనలనే తీసుకొనుట

Question Number : 8 Question Id : 51714411575 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 should the introduction of an academic article or thesis accomplish?
ఒక విద్యా వ్యాసం గాన్ని పరిశోధనా వ్యాసం గాని పరిచయాము ఏమి సాధించాలి

Options :

1. ✘ Present all the research findings in detail
అన్ని పరిశోధన కనుగొనుటను వివరంగా చెప్పాలి.

2. ✓ Provide background information and context for the study
ఆధ్యయనానికి నేపథ్యము, సందర్భము తెలపాలి.

3. ✘ Include personal opinions and biases
వ్యక్తిగత భావాలు, పక్షపాతాలు కలుపబడాలి.

4. ✘ Include a summary of the entire article or thesis
మొత్తం వ్యాసపు, థీసిస్ యొక్క సంగ్రహం ఉండాలి

Question Number : 9 Question Id : 51714411576 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 the "Introduction" section in a research article is to:

పరిశోధనా వ్యాసంలో " పరిచయం " భాగము ఉద్దేశము.

Options :

1. ✘ Present the results and findings of the study
అధ్యయనపు ఫలితాలను, కనుగొన్న వాటిని చాలి
2. ✘ Provide an overview of the research methods and procedures
పరిశోధనా పద్ధతుల, ప్రక్రియల పర్యావలో కనుయియ్యాలి
3. ✘ Discuss potential limitations of the study
అధ్యయనపు సంభావ్య పరిమితులను చర్చించాలి
4. ✔ Introduce the research topic, its significance, and research objectives
పరిశోధనా అంశం, దాని ప్రాముఖ్యత, దాని లక్ష్యాలు తెలపాలి.

Question Number : 10 Question Id : 51714411577 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 the term "research methodology" refer to?

పరిశోధన పద్ధతి అనగా

Options :

1. ✘ The analysis of research results
పరిశోధనా ఫలితాల విశ్లేషణ
2. ✘ The type of paper used for writing research reports
పరిశోధనా రిపోర్టులను వ్రాయుటకు ఉపయోగించు కాగితపు రకము
3. ✔ The overall approach and techniques used in the research
పరిశోధనలో వాడిన మొత్తం దృక్పథం, సాంకేతికలు
4. ✘ The process of data collection
దత్తాంశ సేకరణ ప్రక్రియ

Sub-Section Number :	2
Sub-Section Id :	517144473
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Id : 51714411578 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.

It was early morning, and the rays of the rising sun had scarcely yet caught the roofs of the city of Perugia, when along the winding road which led across the plain a man and a boy walked with steady, purpose like steps towards the town which crowned the hill in front.

The man was poorly dressed in the common rough clothes of an Umbrian peasant. Hard work and poverty had bent his shoulders and drawn stern lines upon his face, but there was a dignity about him which marked him as something above the common working man.

The little boy who trotted barefoot along by the side of his father had a sweet, serious little face, but he looked tired and hungry, and scarcely fit for such a long rough walk. They had started from their home at Castello delle Pieve very early that morning, and the piece of black bread which had served them for breakfast had been but small. Away in front stretched that long, white, never-ending road; and the little dusty feet that pattered so bravely along had to take hurried runs now and again to keep up with the long strides of the man, while the wistful eyes, which were fixed on that distant town, seemed to wonder if they would really ever reach their journey end.

ఒక తెల్లవారుజామున, ఉదయించే సూర్యుని కిరణాలు పెరుజియా నగరం యొక్క పైకప్పులను ఇంక తాకని సమయంలో మైదానం గుండా వెళ్ళే వంకరగా ఉన్న రహదారి వెంట ఒక వ్యక్తి మరియు ఒక బాలుడు పట్టణం వైపు దృఢమైన అడుగులు వేస్తు నడిచారు. ఆ పట్టణం తన చుట్టు ఉన్న కొండకి కిరీటంలా ఉంది.

ఉంబ్రియన్ రైతు వేసుకునే సాధారణ బట్టలు ఆ పెద్ద వ్యక్తి పేలవంగా ధరించాడు. కష్టపడి పని చేయడం మరియు పేదరికం అతని భుజాలను వంచి, అతని ముఖంపై కఠినమైన గీతలు గీసాయి. కానీ అతనిలో ఒక గంభీరం ఉంది, అది అతనికి సాధారణ శ్రామికుడి కంటే ఉన్నతమైన వ్యక్తిగా గుర్తింపు నిచ్చింది.

తన తండ్రి పక్కన పాదరక్షలు లేకుండా నడిచే చిన్న పిల్లవాడు ఒక స్వచ్ఛమైన, గంభీరమైన ముఖము కలిగి ఉన్నాడు. కాని అతను అలసటతో మరియు ఆకలితో కనిపించాడు. అంత సుదీర్ఘమైన, కఠినమైన నడక అతనికి అలవాటు లేదు. వారు ఆ రోజు ఉదయాన్నే కాస్టెల్లో డెల్లె పీవ్లోని వారి ఇంటి నుండి బయలుదేరారు. అల్పాహారం కోసం వారికి అందించిన నల్ల రొట్టె ముక్క వారి ఆకలిని తీర్చలేకపోయింది. ముందు దూరంగా ఆ పొడవైన, తెల్లటి, అంతం లేని రహదారి విస్తరించి ఉంది ఆ బాలుడు తన చిన్న దుమ్ము పాదాలతో తన తండ్రితో సమానంగా నడవటానికి వేగంగా పరుగులు తీస్తున్నాడు. అయితే వారి ఇద్దరి నిఘాడమైన కళ్ళు, తాము అసలు ఆ పట్టణాన్ని ఎప్పటికైనా చేరుకుంటామా లేదా అనే అందోళన వ్యక్తం చేస్తున్నాయి.

Sub questions

Question Number : 11 Question Id : 51714411579 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

One early morning, two people walked towards the town with a _____ pace.

ఒక తెల్లవారుజామున ఇద్దరు వ్యక్తులు _____ పట్టణం వైపు నడిచారు.

Options :

1. ✘ faltering
తడబడుతూ

2. ✘ slow
నెమ్మదిగా

3. ✘ hesitant
వెనకాడుతూ

4. ✔ stable
స్థిరంగా

Question Number : 12 Question Id : 51714411580 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 older man in rough clothes had a _____ demeanour about him.

సాధారణ దుస్తులలో ఉన్న తండ్రి _____ ప్రవర్తనను కలిగి ఉన్నాడు

Options :

1. ✘ friendly
స్నేహపూర్వక

2. ✔

decent
గౌరవప్రదమైన

3. ✘ aggressive
దూకుడు

4. ✘ offensive
ప్రమాదకర

Question Number : 13 Question Id : 51714411581 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 older man was a _____ by occupation.
అతను వృత్తి రీత్య _____ అయి ఉంటాడు.

Options :

1. ✔ farmer
రైతు

2. ✘ teacher
అధ్యాపకుడు

3. ✘ messenger
దూత

4. ✘ baker
బేకర్

Question Number : 14 Question Id : 51714411582 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 phrase 'wistful eyes' means _____
'నిఘూడమైన కళ్ళు' అనే పదానికి అర్థం _____

Options :

1. ✘ thoughtless
ఆలోచనలేని
2. ✔ thoughtful
ఆలోచనాత్మకమైన
3. ✘ disappointed
నిరాశ
4. ✘ disillusioned
భ్రమ పడు

Question Number : 15 Question Id : 51714411583 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 phrase- 'the town which crowned the hill in front' means, the town looks like a

'ముందు కొండకు పట్టాభిషేకం చేసిన పట్టణం' అంటే, పట్టణం _____ వలె కనిపిస్తుంది అని.

Options :

piece of jewel

అభరణం

1. ✓

mirage

ఎండమావి

2. ✘

unreachable

చేరుకోలేనిది

3. ✘

distant

చాలా దూరంలో ఉన్న దాని

4. ✘

Sub-Section Number :

3

Sub-Section Id :

517144474

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 16 Question Id : 51714411584 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 _____ during communication with others can build a sense of trust and respect.

ఇతరుతో కమ్యూనికేట్ చేసే సమయంలో _____ ఉండటం వలన నమ్మకం మరియు

గౌరవాన్ని పెంపొందించగలదు.

Options :

1. ✓ genuine
విశ్వసనీయంగా

2. ✘ polite
మర్యాదపూర్వకంగా

3. ✘ uncertain
సందేహముతో

4. ✘ friendly
స్నేహపూర్వకంగా

**Question Number : 17 Question Id : 51714411585 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

_____communication is the excess meanings of utterances or
messages received by students without the teacher's awareness.

_____ కమ్యూనికేషన్ అనేది ఉపాధ్యాయుల ప్రమేయం లేకుండానే వారినుంచి
విద్యార్థులు అందుకున్న ఉచ్చారణలు లేదా సందేశాలు

Options :

1. ✘ Controlled
నియంత్రించిబడిన

2. ✓ unintended
అప్రయత్నపూర్వకమైన

3. ✘ procedural
విధానపరమైన

4. ✘ content
విషయముతో కూడిన

Question Number : 18 Question Id : 51714411586 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

Successful intercultural communication depends greatly, when one _____
other cultures.

ఇతర సంస్కృతులపై _____ ఉండటం వలన, అంతర్సంస్కృతి సంభాషణ
అరమరికలు లేకుండా సాగుతుంది.

Options :

1. ✘ praises
ప్రశంస

2. ✔ respects
గౌరవం

3. ✘ practices
సాధన

4. ✘ belittles
చిన్న చూపు

Question Number : 19 Question Id : 51714411587 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

_____ barriers are the most obvious barriers in communication that
can be easily resolved.

కమ్యూనికేషన్లో _____ అడ్డంకులు అత్యంత స్పష్టమైనవి మరియు సులభంగా
పరిష్కరించగలవి.

Options :

1. ✘ psychological
మానసిక

2. ✘ emotional
భావోద్వేగ

3. ✘ linguistic
భాషాశాస్త్రం

4. ✔ physical
భౌతిక

Question Number : 20 Question Id : 51714411588 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

Music , television, and films are the forms of _____ media that play an important role in shaping cultural norms and values.

సంగీతం, టెలివిజన్ మరియు చలన చిత్రాలు _____ మాధ్యమం యొక్క రూపాలు.

ఇవి సాంస్కృతిక ప్రమాణాలు మరియు విలువలను రూపొందించడంలో ముఖ్యమైన పాత్ర పోషిస్తాయి.

Options :

1. ✓ Entertainment
వినోదం

2. ✗ information
సమాచారం

3. ✗ education
విద్య

4. ✗ traditional
సంప్రాదయ

Question Number : 21 Question Id : 51714411589 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

4, 8, 24, 120, 840, ____

Options :

1. ✗ 8400

2. ✗ 8840

3. ✓ 9240

4. ✘ 8640

**Question Number : 22 Question Id : 51714411590 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

LMZ, NYO, XPQ, RSW, _____

Options :

1. ✘ TUV

2. ✓ TVU

3. ✘ VTU

4. ✘ SVQ

**Question Number : 23 Question Id : 51714411591 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 CABINET = 70 and BEAUTY = 60 then
PRODUCTION = _____
నిర్దిష్ట కోడ్ భాషలో CABINET = 70 మరియు BEAUTY = 60 పదం అయితే
PRODUCTION = _____

Options :

1. ✘ 90

2. ✔ 100

3. ✘ 110

4. ✘ 120

Question Number : 24 Question Id : 51714411592 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

Shashi and Sudha enter into a partnership with equal investments. _____ is the share of Shashi in the annual profit of Rs. 44,000.

శశి మరియు సుధ సమాన పెట్టుబడులతో భాగస్వామ్యంలోకి ప్రవేశిస్తారు. వార్షిక లాభంలో శశి వాటా రూ. 44,000 అయితే అతని భాగస్వామ్య పెట్టుబడి

Options :

1. ✔ 22,000

2. ✘ 23,000

3. ✘ 21,000

4. ✘ 19,000

Question Number : 25 Question Id : 51714411593 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 profit of 12% is made by selling an article for Rs. 50.40. The cost price of the article is _____

ఒక వస్తువును రూ.50.40కి అమ్మడం ద్వారా 12% లాభం వస్తుంది. ఆ వస్తువు యొక్క ధర _____

Options :

1. ✘ 46

2. ✘ 56.45

3. ✘ 44.35

4. ✔ 45

Question Number : 26 Question Id : 51714411594 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:

Some true are not false.

Some false are not real

ప్రకటనలు:

కొన్ని నిజాలు అబద్ధం కావు.

కొన్ని అబద్ధాలు వాస్తవం కావు

Conclusions

I. Some real are true.

II. Some real are definitely false.

తీర్మానాలు[మార్పు]

I. కొన్ని నిజాలు.

II. కొన్ని నిజాలు ఖచ్చితంగా అబద్ధం

Options :

1. ✘ I follow

2. ✘ II follows

3. ✘ Both I & II follows.

4. ✔ Neither I nor II follows

Question Number : 27 Question Id : 51714411595 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, 72 students drink only tea, 50% of the students drink coffee, 25% of the students drink both tea and coffee and 5% of the students drink neither tea nor coffee. What is the total strength of the class?

ఒక తరగతిలో 72 మంది విద్యార్థులు టీ మాత్రమే తాగుతారు, 50% మంది విద్యార్థులు కాఫీ తాగుతారు, 25% మంది విద్యార్థులు టీ మరియు కాఫీ రెండింటినీ తాగుతారు మరియు 5% మంది విద్యార్థులు టీ లేదా కాఫీ తాగరు. తరగతి యొక్క మొత్తం సంఖ్య ఎంత?

Options :

1. ✓ 160

2. ✘ 180

3. ✘ 140

4. ✘ 120

Question Number : 28 Question Id : 51714411596 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 mother's sister's only sibling's father related to me?

మా అమ్మ చెల్లెలి ఏకైక తోబుట్టువు తండ్రికి నాకు సంబంధం ఏమిటి?

Options :

1. ✘ Father

2. ✘ Uncle

3. ✘ Father-in-law

4. ✔ Grandfather

Question Number : 29 Question Id : 51714411597 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 not a necessary step when you present an argument based on inference before the others according to the Classical Indian School of Logic?

క్లాసికల్ ఇండియన్ స్కూల్ ఆఫ్ లాజిక్ ప్రకారం మీరు ఇతరుల ముందు ఊహ ఆధారంగా ఒక వాదనను సమర్పించినప్పుడు ఈ క్రింది వాటిలో ఏది అవసరమైన దశ కాదు?

Options :

1. ✘ Nigamana

2. ✔ Upamana

3. ✘ Upanaya

4. ✘ Udaharana

Question Number : 30 Question Id : 51714411598 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 expresses Vyapti (relation of invariable concomitance)?

క్రిందివాటిలో ఏది వ్యాప్తిని వ్యక్తపరుస్తుంది (నిరంతర సమ్మేళనం యొక్క సంబంధం).

Options :

1. ✘ The relation of invariable concomitance between mountain and fire
పర్వతానికి, అగ్నికి మధ్య విడదీయరాని సంబంధము
2. ✘ The relation of invariable concomitance between mountain and smoke
పర్వతానికి, పొగకు మధ్య విడదీయరాని సంబంధం
3. ✔ The relation of invariable concomitance between fire and smoke
అగ్నికి, పొగకు మధ్య ఉన్న సంబంధం
4. ✘ The relation of invariable concomitance between perceiver and the smoke
గ్రహించేవాడికీ, పొగకీ మధ్య ఉండే సంబంధ బాంధవ్యాలు

Sub-Section Number : 4
Sub-Section Id : 517144475
Question Shuffling Allowed : No
Is Section Default? : null

Question Id : 51714411599 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.

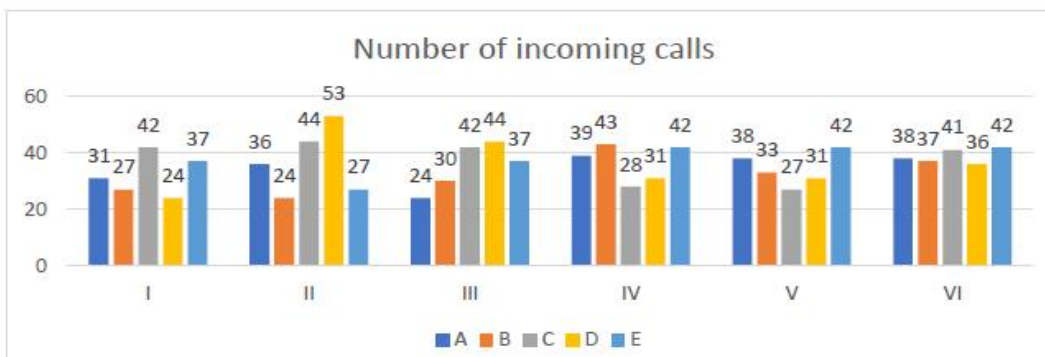
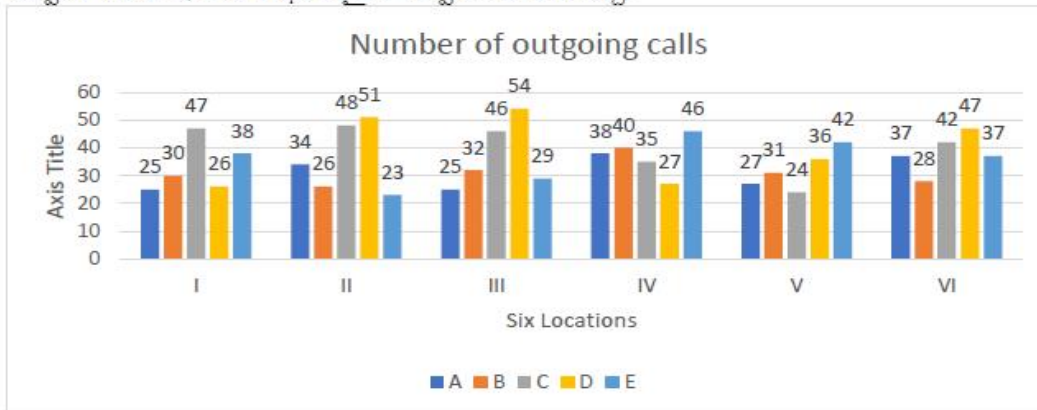
గమనిక: క్రింద ఇవ్వబడిన సమాచారం ఆధారంగా Q. 31 నుండి Q. 35 ప్రశ్నలకు సమాధానాలు వ్రాయండి.

A company has six branches numbered I, II, III, IV, V and VI located in six different places. Each branch utilises the telephone services of six different providers A, B, C, D, E and F. The number of telephone calls made on 28th September 2008, between 10.00am to 11.00 am between any two different branches were recorded and are as given in the graphs below. It was also observed that from each branch there were at least two outgoing calls through each service provider to every other branch and there were at least two incoming calls through each service provider from every other branch.

Calls made through a service provider at any branch can be received through the same service provider at any other branch.

ఒక కంపెనీ ఆరు వేర్వేరు ప్రదేశాలలో I, II, III, IV, V మరియు VI నంబర్లతో కూడిన ఆరు శాఖలను కలిగి ఉంది. ప్రతి బ్రాంచ్ A, B, C, D, E మరియు F అనే ఆరు వేర్వేరు ప్రొవైడర్ల సెలిఫోన్ సేవలను ఉపయోగించుకుంటుంది. 28 సెప్టెంబర్ 2008న ఉదయం 10.00 నుండి 11.00 గంటల మధ్య ఏదైనా రెండు వేర్వేరు శాఖల మధ్య చేసిన సెలిఫోన్ కాల్ల సంఖ్య రికార్డ్ చేయబడింది మరియు అవి దిగువ గ్రాఫ్లలో ఇచ్చిన విధంగా ఉంటాయి. ప్రతి బ్రాంచ్ నుండి ప్రతి ఇతర శాఖకు ఒక్కో సర్వీస్ ప్రొవైడర్ ద్వారా కనీసం రెండు అవుట్గోయింగ్ కాల్లు ఉన్నాయని మరియు ప్రతి ఇతర శాఖ నుండి ఒక్కో సర్వీస్ ప్రొవైడర్ ద్వారా కనీసం రెండు ఇన్కమింగ్ కాల్లు ఉన్నాయని కూడా గమనించబడింది.

ఏ బ్రాంచ్లోనైనా సర్వీస్ ప్రొవైడర్ ద్వారా చేసిన కాల్లను అదే సర్వీస్ ప్రొవైడర్ ద్వారా మరే ఇతర శాఖలోనైనా స్వీకరించవచ్చు.



Sub questions

Question Number : 31 Question Id : 51714411600 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 maximum number of incoming calls from any single branch received by any other branch through any single service provider

ఏ ఒక్క బ్రాంచ్ నుండి అయినా ఏ ఒక్క సర్వీస్ ప్రొవైడర్ ద్వారా ఏ ఇతర శాఖకు వచ్చిన గరిష్ట సంఖ్యలో ఇన్‌కమింగ్ కాల్స్ ఎంత

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Options :

1. 41

2. 43

3. 45

4. 52

Question Number : 32 Question Id : 51714411601 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 maximum number of calls made from branch III to branch V
బ్రాంచ్ III నుండి బ్రాంచ్ Vకి చేసిన కాల్ల గరిష్ఠ సంఖ్య ఎంత ?

Options :

1. ✘ 127

2. ✘ 141

3. ✘ 131

4. ✔ 104

Question Number : 33 Question Id : 51714411602 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 maximum number of calls made through service provider B, from any
one branch to any other branch

సర్వీస్ ప్రొవైడర్ B ద్వారా, ఏదైనా ఒక బ్రాంచ్ నుండి మరే ఇతర బ్రాంచ్ కి చేసిన
కాల్ల గరిష్ఠ సంఖ్య ఎంత ?

Options :

1. ✘ 127

2. ✔ 29

3. ✘ 36

4. ✘ 18

Question Number : 34 Question Id : 51714411603 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 branch VI has received the least number of calls from branches I and II, then
what is the maximum number of calls received by it from the other given
branches

బ్రాంచ్ VI నుండి బ్రాంచ్లు I మరియు II కు అతి తక్కువ కాల్లను
స్వీకరించినట్లయితే, ఇతర బ్రాంచ్ల నుండి దానికి అందుకున్న గరిష్ట కాల్ల
సంఖ్య ఎంత?

Options :

1. ✘ 158

2. ✘ 162

3. ✔ 174

4. ✘ 176

Question Number : 35 Question Id : 51714411604 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 minimum number of calls made from branch1 through service provider C to branches II III or VI

సర్వీస్ ప్రొవైడర్ C ద్వారా బ్రాంచ్1 నుండి II, III లేదా VI బ్రాంచ్లకు చేసిన కనీస కాల్ల సంఖ్య ఎంత

Options :

1. ✓ 8

2. ✗ 10

3. ✗ 12

4. ✗ 14

Sub-Section Number :

5

Sub-Section Id :

517144476

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 36 Question Id : 51714411605 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 transferring files from Internet to user computer is called

ఇంటర్నెట్ నుండి ఉపయోగస్థుని కంప్యూటరుకు ఫైళ్ళను తరలించుట

Options :

1. ✗ Uploading
అప్‌లోడింగు

2. ✓ Downloading
డాన్లోడింగు

3. ✗ Terminating
టెర్మినేటింగు

4. ✗ None of the above
పైవేవి కావు

Question Number : 37 Question Id : 51714411606 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 protocol is commonly used for sending email messages?

ఇ మెయిలు వార్తలను సాధారణంగా ఉపయోగించు ప్రోటోకాల్ ?

Options :

1. ✓ SMTP

2. ✗ HTTP

3. ✗ TCP

4. ✗ FTP

Question Number : 38 Question Id : 51714411607 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

Digital Initiatives that focuses on the development of open-source software?

ఓపెన్ సోర్స్ సాఫ్ట్వేర్ అభివృద్ధిలో దృష్టిసారించు డిజిటల్ చొరవలు?

Options :

1. ✘ e-PG Pathasala
ఇ-పీజీ పాఠశాల

2. ✘ NPTEL

3. ✔ FOSSEE

4. ✘ None of the above
పైవేవి కావు

Question Number : 39 Question Id : 51714411608 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

Information and Communication Technology includes.....

సమాచార మరియు వార్తా సాంకేతికతలో కలసి ఉన్నాది.

Options :

1. ✘ Online learning
ఆన్లైన్ అభ్యాసలు
2. ✘ Web Based Learning
వెబ్ ఆధారిత అభ్యాసలు
3. ✘ Learning through the use of EDUSAT
ఎడుసాట్ ద్వారా అభ్యాసలు
4. ✔ All of the above
పైవన్నీను

Question Number : 40 Question Id : 51714411609 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

RAM is placed on

రామ్ను దీనిపై ఉంచుతారు

Options :

1. ✘ Hard Disk
2. ✘ USB
3. ✔ Mother board

Extension board

4. ✖

Question Number : 41 Question Id : 51714411610 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 Goals are there in the Sustainable Development Goals?

నిలకడ అభివృద్ధి లక్ష్యాలలో ఎన్ని లక్ష్యాలు ఉన్నాయి?

Options :

1. ✖ 27

2. ✔ 17

3. ✖ 27

4. ✖ 37

Question Number : 42 Question Id : 51714411611 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

Name the day that is celebrated as the World Environment Day

ప్రపంచ వాతావరణ దినము వేడుకను జరుపుకొను రోజు

Options :

1. ✓ June 5th
జూన్ 5

2. ✗ June 6th
జూన్ 6

3. ✗ June 8th
జూన్ 8

4. ✗ June 10th
జూన్ 10

**Question Number : 43 Question Id : 51714411612 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 methods can be used to increase the supply of usable,
good quality water?

ఈ దిగువ వానిలో ఏ పద్ధతి ద్వారా వాడదగు మంచి గుణాత్మక నీటి సరఫరాను
పెంచగలము?

Options :

1. ✗ Chlorination
క్లోరినేషను

2. ✓ Cloud seeding
క్లౌడ్ సీడింగు

3. ✘ Metallurgy
మెటలర్జీ

4. ✘ Filterisation
ఫీల్టరైజేషను

Question Number : 44 Question Id : 51714411613 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 distinct types of actions are defined as part of Disaster Management?

విపత్తు నిర్వహణ భాగంగా ఎన్ని విభిన్న రకాల చర్యలు నిర్వచించబడ్డాయి.

Options :

1. ✘ 4

2. ✘ 7

3. ✘ 5

4. ✔ 6

Question Number : 45 Question Id : 51714411614 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

To which Government the Ministry of Environment and Forests is the nodal agency?

ఏ ప్రభుత్వానికి వాతావరణ, అటవీ మినిస్ట్రీ నోడల్ ఏజెన్సీగా వ్యవహరిస్తుంది

Options :

1. ✘ To the State Government
రాష్ట్ర ప్రభుత్వానికి
2. ✔ To the Central Government
కేంద్ర ప్రభుత్వానికి
3. ✘ To United Nations
యునైటెడ్ నేషన్లు
4. ✘ To Union Territories
యూనియను టెరిటరీసు

Question Number : 46 Question Id : 51714411615 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 among the following is the ancient university?

ఈ క్రింది వానిలో ఏది ప్రాచీన విశ్వవిద్యాలయము

Options :

1. ✘ Lalitgiri

2. ✓ Nalanda

3. ✘ Ratnagiri

4. ✘ Udayagiri

Question Number : 47 Question Id : 51714411616 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

Ministry of Human Resources Development (MHRD) renamed as....

మానవ వనరుల అభివృద్ధి మంత్రిత్వ శాఖ మారిన పేరు

Options :

1. ✘ Ministry of Human Development
మానవాభివృద్ధి మంత్రిత్వ శాఖ

2. ✘ Ministry of Higher Education
ఉన్నత విద్యా మంత్రిత్వ శాఖ

3. ✓ Ministry of Education
విద్యా మంత్రిత్వ శాఖ

4. ✘ Ministry of Human Capital
మానవ మూలధన మంత్రిత్వ శాఖ

Question Number : 48 Question Id : 51714411617 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 learning programmes focuses on the study of ancient
Indian scriptures and spiritual practices?

ఈ దిగువ ఏ అభ్యాస కార్యక్రమము, ప్రాచీన భారత గ్రంథాలు, ఆధ్యాత్మిక ఆచరణలపై
దృష్టిపెడతాయి

Options :

1. ✓ Yoga
యోగ
2. ✘ Architecture
వాస్తవశిల్పకళ
3. ✘ Pharmacy
ఔషధాలు
4. ✘ Commerce
వాణిజ్యము

Question Number : 49 Question Id : 51714411618 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

EIA is stands.....

EIA అనగా

Options :

1. ✘ Environmental Interest Assessment
2. ✔ Environmental Impact Assessment
3. ✘ Environmental Interaction Assessment
4. ✘ Environmental Impact Analysis

**Question Number : 50 Question Id : 51714411619 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

Distance education is not

దూరవిద్య కానిది

Options :

1. ✘ Telemetric teaching
టెలిమెట్రిక్ బోధన
2. ✘ Distance study
దూర అధ్యయనం
3. ✔ Work oriented education
పని ఆధారిత విద్య

Paper II

Section Id :	517144154
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 :	517144477
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 51 Question Id : 51714411620 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

Isostasy maintains a balance between _____ and _____ ?

Options :

1. ✘ Coriolis Force and Gravitational Force
2. ✔ buoyancy and gravitational forces.
3. ✘ Convergence and Divergence
4. ✘ Thermal Expansion and Contraction

Question Number : 52 Question Id : 51714411621 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 Tundra | 1 found in salty areas |
| B Mediterranean forests | 2 semi-arid to semi-humid with winter rainfall |
| C Mangroves | 3 found in subarctic, humid conditions |
| D Taiga | 4 found near fresh or brackish water |
| | 5 found in arctic regions |

Options :

1. ✘ A – 3 B – 2 C – 5 D – 2
2. ✘ A – 3 B – 4 C – 2 D – 5

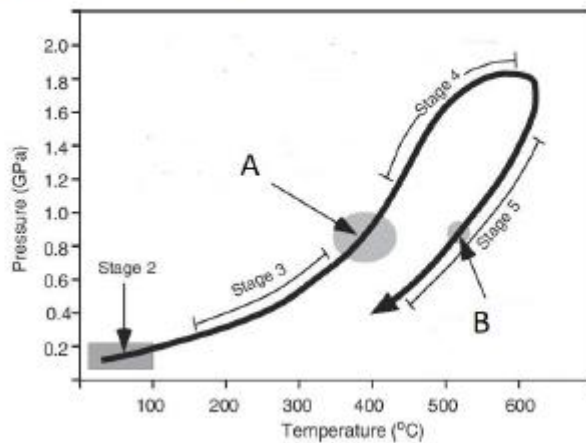
3. ✓ A – 5 B – 2 C – 1 D – 3

4. ✘ A – 5 B – 1 C – 4 D – 3

Question Number : 53 Question Id : 51714411622 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 diagram shown below A & B represent



Options :

1. ✘ A represents glaucophane schist facies & B represents eclogite facies

2. ✓ A represents glaucophane schist facies & B represents green schist facies

3. ✘ A represents green schist facies & B represents eclogite facies

4. ✘ A represents green schist facies & B represents granulite facies

Question Number : 54 Question Id : 51714411623 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

Syneresis cracks are:

Options :

1. ✘ A form of desiccation crack
2. ✘ A type of trace fossil
3. ✔ Subaqueous shrinkage cracks
4. ✘ A type of penecontemporaneous deformation feature

Question Number : 55 Question Id : 51714411624 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

___ magmas are originated by lithospheric upwelling and decompression melting due to lithosphere extension

Options :

1. ✓ Mid-oceanic ridges (MORs)
2. ✘ Oceanic islands
3. ✘ Island arcs
4. ✘ All the above

Question Number : 56 Question Id : 51714411625 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:

Statement I: the variation of the Earth's magnetic field is stronger during the day than that during the night

Statement II: Magnetic materials become less magnetic on heating

Options :

1. ✘ Statements I and II are true; II explains I
2. ✓ Statements I and II are true; but II does not explain I
3. ✘

Statement I and II are false

4. ✘ Statement I is false; II is true

Question Number : 57 Question Id : 51714411626 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

Magnetic anomaly strips occur symmetrically on either side of the Mid-Atlantic Ridge. Similar anomaly patterns are difficult to detect in Precambrian terrains because

Options :

1. ✘ Oceans did not exist in the Precambrian
2. ✔ Precambrian oceanic crust was subducted and consumed
3. ✘ Precambrian oceanic crust was less dense
4. ✘ Mid ocean ridges did not exist in the Precambrian

Question Number : 58 Question Id : 51714411627 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

S waves move faster through gabbro than granodiorite because

Options :

1. ✓ Gabbro is denser than granodiorite but has much higher shear modulus
2. ✘ Granodiorite is denser than gabbro but has much higher shear modulus
3. ✘ Granodiorite is lighter than gabbro but has higher shear modulus
4. ✘ Granodiorite and gabbro have similar densities, but gabbro has higher shear modulus

**Question Number : 59 Question Id : 51714411628 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 is a gravity station at 45°N latitude and B is another station 20 km north of A. The measured gravity value at B is 16.2 mgal larger than that at A. Then the elevation at B is

Options :

1. ✓ Same as that at A
2. ✘ 80 m higher than that at A

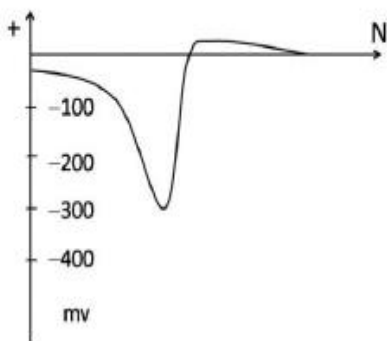
3. ✘ 40 m lower than that at A

4. ✘ 80 m lower than that at A

Question Number : 60 Question Id : 51714411629 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 following figure shows the SP anomaly profile across an $E-W$ extending sheet like conducting body. Which of the following options can best explain the anomaly?



Options :

1. ✘ Lead - zinc ore body steeply dipping due north

2. ✘ Graphite ore body steeply dipping due south

3. ✘ Copper rich ore body steeply dipping due south

Nickel rich ore body steeply dipping due north

4. ✓

Question Number : 61 Question Id : 51714411630 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 turbidite deposit contains the following.

- A) Massive bed
- B) Lower parallel lamination
- C) Upper parallel lamination
- D) Structure-less mud
- E) Ripple cross lamination

Which of the following represents the correct bottom to top sequence?

Options :

A - D - B - C - E

1. ✘

B - A - E - D - C

2. ✘

A - C - E - B - D

3. ✓

D - C - E - B - A

4. ✘

Question Number : 62 Question Id : 51714411631 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 and select the correct answer using the codes given below the lists

List-I		List-II	
A	Bajada	P	Aeolian
B	Dreikanter	Q	Desert
C	Karn	R	Glacial
D	Dolines	S	Karst

Options :

1. ✘ A – S, B – Q, C – R, D – P

2. ✔ A – Q, B – P, C – R, D – S

3. ✘ A – Q, B – S, C – P, D – R

4. ✘ A – Q, B – S, C – R, D – P

**Question Number : 63 Question Id : 51714411632 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 Young's modulus of a rock specimen of density 2.7 gm/cc is 9.72 megabars. The longitudinal wave velocity (in km/s) in the rock is

Options :

1. ✘ 4.8

2. ✘ 5.2

3. ✔ 6.0

4. ✘ 7.2

Question Number : 64 Question Id : 51714411633 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 following is a list of important events in organic evolution

- A. First appearance of mammals
- B. First appearance of fishes
- C. First appearance of birds
- D. First appearance of flowering plants

Which one of the following is correct in ascending stratigraphic order?

Options :

1. ✔ B → A → C → D

2. ✘ A → B → C → D

3. ✘ B → D → C → A

4. ✘ D → B → A → C

Question Number : 65 Question Id : 51714411634 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 seismic survey is carried out over a region comprising of a sequence of alternating horizontal layers of shale and sandstone, each having a thickness of 0.5 km with the shale layer at the top of the sequence. The P wave velocities in shale and sandstone are 2 km/sec and 4 km/sec respectively. The stacking velocity for a reflection from the base of the 5th layer from the top is

Options :

1. ✘ 0.64 km/h

2. ✘ 1.64 km/h

3. ✔ 2.64 km/h

4. ✘ 3.64 km/h

Question Number : 66 Question Id : 51714411635 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 mineralized zone, dip angle measurements were carried out along three E-W profiles at 100 m spacing at three frequencies f_1, f_2, f_3 ($f_1 > f_2 > f_3$). The profile length is 500 m. Zero cross over was observed for all the three profiles and for all the three frequencies at the same location.

Statement I: Conductor extends at least up to the depth corresponding to frequency f_3 .

Statement II: Minimum strike length is 200m and strike orientation is N – S.

Which of the following is correct?

Options :

1. ✘ Statement I is true but statement II is false

2. ✘ Statement I is false but statement II is true

3. ✔ Both statements I and II are true

4. ✘ Both statements I and II are false

Question Number : 67 Question Id : 51714411636 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

Gravity anomalies of value 0.1 mgal and 0.2 mgal are located at points separated by 300 m and 200 m respectively along a profile across an anomalous body resembling a horizontal circular cylinder. The depth (in m) to the centre of the cylinder is

Options :

1. ✓ 50

2. ✗ 71

3. ✗ 82

4. ✗ 100

Question Number : 68 Question Id : 51714411637 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 value of the Earth's magnetic field (in Oe) at a place where its vertical and horizontal components are equal if the magnetic field at the equator is 0.30 Oe?

Options :

1. ✓ 0.38

2. ✗ 0.40

3. ✘ 0.42

4. ✘ 0.44

Question Number : 69 Question Id : 51714411638 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 density log provides a continuous record of a formation's reaction to medium energy focussed __

Options :

1. ✘ Fast neutrons

2. ✔ Gamma Rays

3. ✘ Sound waves

4. ✘ electric current

Question Number : 70 Question Id : 51714411639 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 statements is *correct*?

- (i) Seismic reflection method depends on acoustic impedance contrast
- (ii) Gravity method is sensitive to lateral density variations
- (iii) Magnetic method is sensitive to susceptibility contrast
- (iv) Electrical method depends on electrical resistivity variations

Options :

1. ✘ Only (i) is correct

2. ✘ Only (ii) and (iii) are correct

3. ✘ Only (iv) is correct

4. ✔ (i), (ii), (iii) and (iv) are correct

**Question Number : 71 Question Id : 51714411640 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 Electric potential of earth is taken as zero
Reason: R No electric field exists on earth surface.

Options :

1. ✘ Both Assertion and Reason are correct and Reason is the correct explanation for Assertion
2. ✘ Both Assertion and Reason are correct and Reason is the correct explanation for Assertion
3. ✔ Assertion is correct but Reason is incorrect
4. ✘ Both Assertion and Reason are incorrect

Question Number : 72 Question Id : 51714411641 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

_____ went extinct during the K-T extinction

Options :

1. ✘ Brachiopods
2. ✘ Graptolites
3. ✔ Ammonites
- 4.

Trilobites



Question Number : 73 Question Id : 51714411642 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:

- | I | II |
|------------------------|---|
| (1) Cumulus texture | (i) Banding and crustification in open space |
| (2) Exsolution texture | (ii) Protuberances of replacing minerals with replaced host |
| (3) Caries texture | (iii) Spindles or lamellae of one mineral in another |
| (4) Cockade texture | (iv) Aggregates of minerals with non-penetrative mineral boundaries |

Codes :

Options :

1. ✓ 1-iv, 2-iii, 3-ii, 4-i
2. ✗ 1-iii, 2-iv, 3-ii, 4-i
3. ✗ 1-ii, 2-iii, 3-i, 4-iv
4. ✗ 1-iii, 2-ii, 3-i, 4-iv

Question Number : 74 Question Id : 51714411643 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

Global scale events at ~1.8 Ga and 0.9 Ga refer to:

Options :

1. ✘ Amalgamation of supercontinents Columbia and Rodinia
2. ✔ Amalgamation of supercontinent Columbia and fragmentation of Rodinia
3. ✘ Fragmentation of supercontinents Columbia and Rodinia
4. ✘ Fragmentation of supercontinent Columbia and amalgamation of Rodinia

**Question Number : 75 Question Id : 51714411644 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

Given below are two statements Assertion (A) and Reason (R). Read the statements are fully and choose the correct codes from those given below :

(A) Raised shorelines are common along the continental and island coasts of Pacific Ocean.

(R) In these regions tectonic processes are active along the mountain and island arcs.

Codes :

Options :

1. ✓ Both (A) and (R) are true and (R) is the correct explanation of (A)
2. ✘ Both (A) and (R) are true and (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 : 76 Question Id : 51714411645 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) : AFM diagram is useful for the study of pelitic rocks.

Reason (R) : Pelitic rocks are rich in plagioclase Feldspar and Quartz.

Options :

1. ✘ Both A and R are true and R is correct explanation
2. ✘ Both A and R are true but, R is not correct explanation
3. ✓ A is true but R is false
- 4.

A is false but R is true



Question Number : 77 Question Id : 51714411646 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

To distinguish between different rock types, a sensor with high ____ resolution is best

Options :

1. ✘ Spatial and temporal
2. ✘ Spatial and radiometric
3. ✘ Spectral and temporal
4. ✔ Spectral and radiometric

Question Number : 78 Question Id : 51714411647 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 following table shows a series of measurements made with Wenner configuration over a layered Earth.

a	5	10	20	30	40	60	80	100	150
R	1.0	0.7	0.6	0.3	0.05	0.15	0.2	0.2	0.2

Which type of curve do the data represent?

Options :

1. ✓ KH type

2. ✘ KA type

3. ✘ AQ type

4. ✘ QK type

Question Number : 79 Question Id : 51714411648 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 magnetotelluric survey over a layered structure calculates the apparent resistivity as $1\Omega\text{m}$. If the amplitude of the horizontal electric field is doubled, then the apparent resistivity will be

Options :

1. ✘ Doubled

2. ✘ Increased three times

3. ✔ Increased four times

4. ✘ Reduced to half

Question Number : 80 Question Id : 51714411649 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

Porphyry-type Cu-deposits are associated with

Options :

1. ✘ Mid-oceanic ridge setting.

2. ✘ Intra-cratonic rift setting.

3. ✔ Continent-ocean subduction setting.

4. ✘ Ocean-ocean subduction setting

Question Number : 81 Question Id : 51714411650 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 difference of two refractive indices is called

Options :

1. ✘ Biaxial
2. ✘ Uniaxial
3. ✔ Birefringence
4. ✘ Isoaxial

Question Number : 82 Question Id : 51714411651 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 rock formation is absolutely impermeable?

Options :

1. ✘ Aquifer

2. ✘ Aquiclude

3. ✔ Aquifuge

4. ✘ Aquitard

Question Number : 83 Question Id : 51714411652 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

Columnar joints are also called _____

Options :

1. ✘ Radial joints

2. ✘ Pyramid joints

3. ✔ Prismatic joints

Box joints

4. ✘

Question Number : 84 Question Id : 51714411653 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

Fold with flattened top is _____

Options :

Square fold

1. ✘

Plateau fold

2. ✘

Box fold

3. ✔

Conjugate fold

4. ✘

Question Number : 85 Question Id : 51714411654 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

Whose isostasy model is used in mid-oceanic ranges?

- 1) Reid
- 2) Pratt
- 3) Taylor
- 4) Airy

Choose the correct options

Options :

1. ✘ 1 only

2. ✔ 2 only

3. ✘ Both 3 & 4

4. ✘ None of the above

Question Number : 86 Question Id : 51714411655 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 table given below, identify the correct pair

	Plate boundary Type		Example
A	Oceanic Divergent	F	San Andreas fault
B	Continental Divergent	G	Himalaya
C	Oceanic- Continental convergence	H	Mid Atlantic Ridge
D	Continent- Continent convergence	I	East African Rift
E	Transform	J	Andes

Options :

A – H, B – I, C – J, D – G, E – F

1. ✓

A – I, B – J, C – G, D – F, E – G

2. ✘

A – H, B – G, C – F, D – I, E – J

3. ✘

A – J, B – H, C – I, D – G, E – F

4. ✘

Question Number : 87 Question Id : 51714411656 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 rate of sediment accumulation is minimum at

Options :

Continent shelves

1. ✘

2. ✘ Continent slopes

3. ✘ Continent rises

4. ✔ Deep-ocean floor

**Question Number : 88 Question Id : 51714411657 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

El Nino southern oscillation (ENSO) is an

Options :

1. ✘ Oceanic process

2. ✘ Atmospheric process

3. ✔ Ocean-atmospheric process

4. ✘ Ocean atmosphere-land process

Question Number : 89 Question Id : 51714411658 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

Atmosphere of planet Mars is almost entirely made up of CO₂. But the surface temperature of Mars is less than that of the Earth because

Options :

1. ✘ CO₂ does not act as greenhouse gas in the absence of other gases
2. ✘ Of the absence ozone
3. ✘ Of the absence of volcanic activity
4. ✔ Mars has a larger orbit than that of the Earth

Question Number : 90 Question Id : 51714411659 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 minerals in the Moh's scale of hardness is a silicate

Options :

1. ✘ Apatite

2. ✘ Fluorite

3. ✔ Topaz

4. ✘ Corundum

Question Number : 91 Question Id : 51714411660 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 not a plate boundary

Options :

1. ✘ Carlsberg Ridge

2. ✘ South East Indian Ridge

3. ✘ East Pacific Rise

Ninety East Ridge

4. ✓

Question Number : 92 Question Id : 51714411661 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 highest feature on a floodplain are

Options :

1. ✘ Point bars

2. ✘ Meander scrolls

3. ✘ Back swamps

4. ✓ Natural levees

Question Number : 93 Question Id : 51714411662 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

Higher rate of silicate weathering leads to

Options :

1. ✘ Increase in CO₂ in atmosphere
2. ✔ Decrease in CO₂ in atmosphere
3. ✘ Increase in O₂ in atmosphere
4. ✘ Decrease in moisture content in atmosphere

Question Number : 94 Question Id : 51714411663 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 NOT a common set of secondary minerals formed by weathering?

Options :

1. ✘ Hematite, Goethite, Gibbsite
2. ✔ Goethite, Gibbsite, Gypsum

Gibbsite, Hematite, Kaolinite

3. ✘

Kaolinite, Geothite, Gibbsite

4. ✘

Question Number : 95 Question Id : 51714411664 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 degree of freedom at eutectic point of a binary system is

Options :

1. ✘ 0

2. ✔ 1

3. ✘ 2

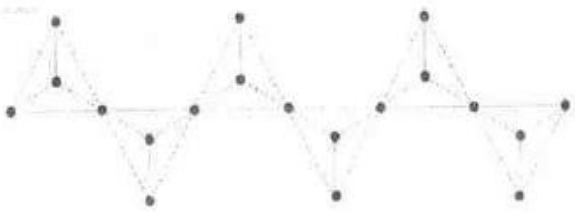
4. ✘ 3

Question Number : 96 Question Id : 51714411665 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 given silicate structure comprising of a chain of SiO_4 tetrahedra, the ratio of bridging to non-bridging oxygen atoms is



Options :

1. ✘ 1:3

2. ✘ 1:5

3. ✔ 1:2

4. ✘ 3:7

Question Number : 97 Question Id : 51714411666 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

Magmas which show low concentration of large-ion lithophile elements are

Options :

1. ✘ Primary magmas
2. ✘ Enriched magmas
3. ✔ Depleted magmas
4. ✘ Primitive magmas

Question Number : 98 Question Id : 51714411667 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 gravity anomaly over a vertical rod (extending down to infinity) buried at a depth of 100m is 20 mGal. If the rod is buried at a depth of 50 m, the gravity anomaly would be

Options :

1. ✘ 15 mGal
2. ✘ 10 mGal

40 mGal

3. ✘

80 mGal

4. ✔

Question Number : 99 Question Id : 51714411668 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 statements about Normalized Difference Vegetation Index (NDVI) is incorrect?

Options :

NDVI is directly related to the percent of ground cover and amount of biomass.

1. ✘

Greater difference between near-infrared and red reflectance indicates less vegetation

2. ✔

NDVI values close to zero represent bare soil

3. ✘

Higher values of NDVI represent dense green vegetation.

4. ✘

Question Number : 100 Question Id : 51714411669 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

Weathering of granite leads to formation of solid residual minerals and release of some elements as dissolved ions. The elements released are:

Options :

1. ✘ Si and Al
2. ✔ Na and K
3. ✘ Fe and Mn
4. ✘ Si, Al and Fe

Question Number : 101 Question Id : 51714411670 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

Presence of minerals such as pyrite and uraninite as detrital minerals in sedimentary rocks suggests that at the time of deposition

Options :

1. ✘ Chemical weathering was not active

2. ✘ Provenance weathered at a fast rate

3. ✘ Atmosphere had about 1% CO₂

4. ✔ Atmosphere had negligible O₂

Question Number : 102 Question Id : 51714411671 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

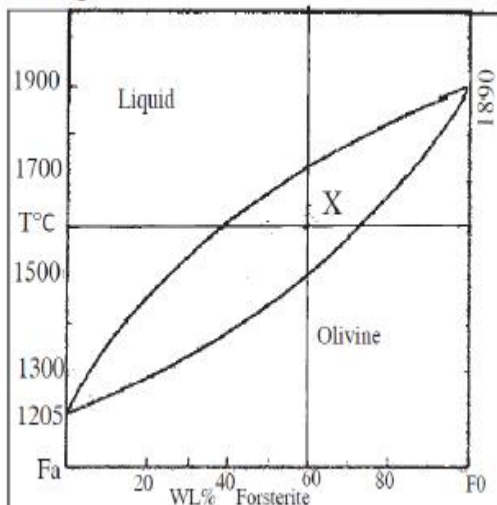
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On

Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :

No

Correct Marks : 2 Wrong Marks : 0

Applying lever's rule, determine the liquid and olivine proportion at a point 'X' marked on a given binary phase diagram.



Options :

1. ✘ Liquid 60 – Olivine 40

2. ✔ Liquid 40 – Olivine 60

3. ✘ Liquid 70 – Olivine 30

4. ✘ Liquid 30 – Olivine 70

Question Number : 103 Question Id : 51714411672 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

Detached clouds in the form of white, delicate filaments, mostly white patches or narrow bands are called as

Options :

1. ✔ Cirrus

2. ✘ Stratus

3. ✘ Altostratus

4. ✘

Question Number : 104 Question Id : 51714411673 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 terms of optical properties which of the following mineral is not from the same group

Options :

1. ✘ Quartz

2. ✘ Apatite

3. ✘ Calcite

4. ✔ Biotite

Question Number : 105 Question Id : 51714411674 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

Waterfalls and rapids along the river course indicates _____ stage of the river.

Options :

1. ✓ Youthful
2. ✗ Mature
3. ✗ Old
4. ✗ Very old

**Question Number : 106 Question Id : 51714411675 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 methods is best suited for locating a disseminated sulphide deposit?

Options :

1. ✓ Induced polarisation method
2. ✗ Self potential method

3. ✘ Resistivity method

4. ✘ Equi-potential line method

**Question Number : 107 Question Id : 51714411676 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

Guano is _____ deposit of phosphate.

Options :

1. ✘ A residual

2. ✔ An organic

3. ✘ An evaporite

4. ✘ A placer

**Question Number : 108 Question Id : 51714411677 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 caused the dust and condensing material to accrete into planetesimals?

Options :

1. ✓ Gravitational attraction and collision

2. ✘ Heating of gases

3. ✘ Nuclear fusion

4. ✘ Rotation of the proto-Sun

Question Number : 109 Question Id : 51714411678 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:

- (1) Palaeozoic era started about 600 Ma
- (2) Reptiles evolved during carboniferous period
- (3) Permian was the longest period in Palaeozoic era

Which of the following statements is correct?

Codes

Options :

1. ✓ (1) and (2) only

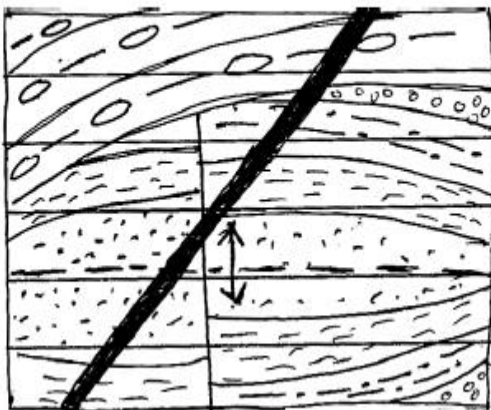
2. ✘ (2) and (3) only

3. ✘ (1) and (3) only

4. ✘ (1), (2) and (3) only

Question Number : 110 Question Id : 51714411679 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

On the basis of cross cutting relationship, which one of the following statements is correct?



Options :

1. ✔ folding - faulting - unconformity - intrusion

2. ✘

faulting – folding – intrusion – unconformity

3. ✘ faulting – folding – unconformity – intrusion

folding – faulting – intrusion – unconformity

4. ✘

Question Number : 111 Question Id : 51714411680 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 characteristic mineral assemblage of eclogite facies is

Options :

1. ✘ Lawsonite glaucophane

2. ✘ Chlorite epidote

3. ✔ Omphacite garnet

4. ✘ Garnet diopside

Question Number : 112 Question Id : 51714411681 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) Acicular	1	Garnet
B) Bladed	2	Apatite
C) Prismatic	3	Kyanite
D) Equant	4	Galena
	5	Serpentine

Options :

A-3 B-5 C-2 D-4

1. ✘

A-5 B-3 C-2 D-1

2. ✔

A-3 B-5 C-2 D-1

3. ✘

A-5 B-3 C-2 D-1

4. ✔

Note: For this question, ambiguity is found in question/answer. Candidate will get full marks for this question if any of the correct options are chosen.

Question Number : 113 Question Id : 51714411682 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

Direction of gas exchange between air and sea is controlled by

Options :

1. ✘ Wind speed
2. ✔ Concentration gradient
3. ✘ Sea surface temperature
4. ✘ Atmospheric turbulence

Question Number : 114 Question Id : 51714411683 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): the annual insolation received at the poles is less than half of the insolation received at the equator

Reason (R): The Tilt of the Earth's axis is responsible for this insolation at the poles
Choose the correct answer

Options :

1. ✘ A is correct but R is incorrect
2. ✘ A is incorrect but R is correct
3. ✔ Both A and R are correct and R is the correct explanation for A

4. ✘ Both A and R are correct and R is no the correct explanation for A

Question Number : 115 Question Id : 51714411684 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 types of erosion with the process

Types		Process	
A	Rain erosion	P	Deflation
B	River erosion	Q	Plucking
C	Glacial erosion	R	Scouring
D	Wind erosion	S	Sheet wash

Options :

1. ✘ A - R; B - S; C - P; D - Q

2. ✘ A - Q; B - P; C - S; D - R

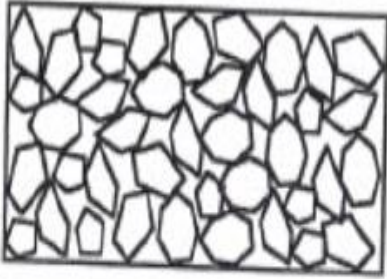
3. ✘ A - S; B - Q; C - R; D - P

4. ✔ A - S; B - R; C - Q; D - P

Question Number : 116 Question Id : 51714411685 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



Grains are alkali feldspar and quartz. The length of the figure is about 2 cm.
The diagram above most likely represents a _____

Options :

1. ✘ Extrusive igneous rock
2. ✘ Intrusive igneous rock
3. ✔ Clastic sedimentary rock
4. ✘ Chemical sedimentary rock

Question Number : 117 Question Id : 51714411686 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

Describe the plate tectonic settings where you would expect to find andesites:

Options :

1. ✓ Subduction zone

2. ✗ Continent/continent collision

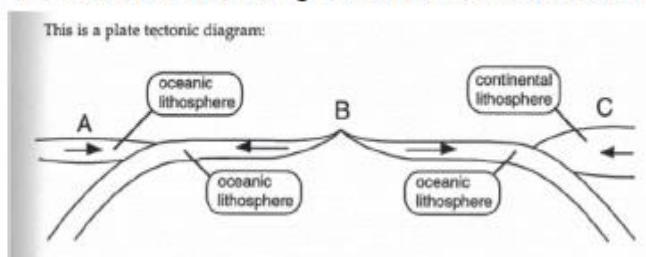
3. ✗ Spreading center

4. ✗ Transform boundary

Question Number : 118 Question Id : 51714411687 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 volcanic chains formed at a tectonic setting similar to "A"?



Options :

1. ✓ Aleutian Islands

2. ✘ Andes Mountains

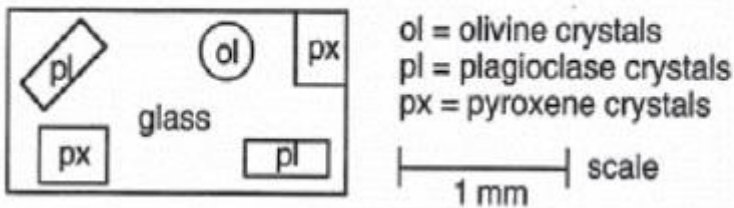
3. ✘ Cascade Range

4. ✘ Hawaiian Islands

Question Number : 119 Question Id : 51714411688 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 rock types is depicted in the diagram above?



Options :

1. ✔ Basalt

2. ✘ Rhyolite

3. ✘ Gabbro

Diorite

4. ✘

**Question Number : 120 Question Id : 51714411689 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 discontinuity between outer core and inner core is known as

Options :

1. ✘ Mohorovicic discontinuity

2. ✘ Conard discontinuity

3. ✘ Repetti discontinuity

4. ✔ Lehmann discontinuity

**Question Number : 121 Question Id : 51714411690 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

Rocks formed at the ridge crests which are younger than 0.69 million years are

Options :

1. ✓ Normally magnetized

2. ✘ Reversely magnetized

3. ✘ Neither normally or reversely magnetized

4. ✘ The information is insufficient to predict the nature of magnetization involved.

**Question Number : 122 Question Id : 51714411691 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

Esker is a type of

Options :

1. ✘ Moraine deposit

2. ✘ Eolian deposit

3. ✓ Glacial deposit

4. ✘ Fluvial deposit

Question Number : 123 Question Id : 51714411692 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 precious mineral pair has same composition?

Options :

1. ✘ Sapphire – Agate

2. ✘ Ruby – opal

3. ✓ Sapphire – ruby

4. ✘ Ruby – agate

Question Number : 124 Question Id : 51714411693 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

Scintillation counter is used for

Options :

1. ✘ Seismic survey

2. ✘ Electrical survey

3. ✔ Radioactive survey

4. ✘ Magnetic survey

Question Number : 125 Question Id : 51714411694 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 rapid movement of shallow non-cohesive or loose material down a steep slope following heavy rainfall is called

Options :

1. ✘ Creep

2. ✓ Debris flow

3. ✘ Flood

4. ✘ Landslide

Question Number : 126 Question Id : 51714411695 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 volcanic events in chronological order (older to younger).

- (i) Rajmahal volcanism
- (ii) Deccan volcanism
- (iii) Panjal volcanism
- (iv) Malani volcanism

Options :

1. ✓ iv – iii – i – ii

2. ✘ ii – iv – iii – i

3. ✘ iii – ii – i – iv

4. ✘ i – ii – iii – iv

Question Number : 127 Question Id : 51714411696 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 ratio between the number of streams of any given order to the number of streams of the next lower order is known as

Options :

1. ✘ Stream frequency

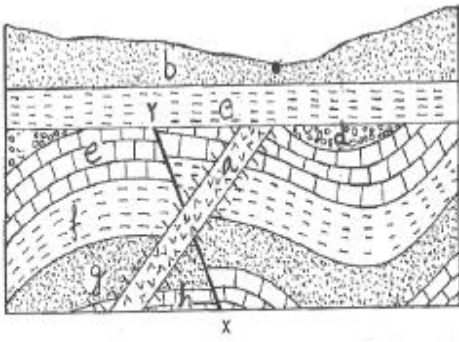
2. ✘ Drainage density

3. ✔ Bifurcation ratio

4. ✘ Both A) and B)

Question Number : 128 Question Id : 51714411697 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 geological events (a to h and x– y) in chronological order (Older to younger).

Options :

1. ✓ b, c, a, d, e, f, g, h, X – Y
2. ✗ h, g, f, e, d, X – Y , a, c, b
3. ✗ b, c, X – Y, a, d, e, f, g, h
4. ✗ a, X – Y, b, c, d, e, f, g, h

Question Number : 129 Question Id : 51714411698 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

Trellis drainage pattern is characteristic of _____ structure.

Options :

1. ✗ Domal
2. ✗ Fault

3. ✓ Fold

4. ✘ Joint

Question Number : 130 Question Id : 51714411699 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 degree to which a substance can be magnetized is determined by its

Options :

1. ✘ Magnetic induction

2. ✓ Magnetic susceptibility

3. ✘ Magnetic permeability

4. ✘ Intensity of magnetization

Question Number : 131 Question Id : 51714411700 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) : Limestone regions stand out as elevated features in arid climates and low lying features in humid climates.

Reason (R) : Limestone is susceptible to chemical weathering and resistant to physical weathering

Options :

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

Question Number : 132 Question Id : 51714411701 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): Different inorganic and organic structures are formed in sedimentary rocks

Reason (R): The structure "Petrifaction" is of inorganic origin

Options :

1. ✗ Both A and R are true and R is correct explanation
2. ✗ Both A and R are true but, R is not correct explanation

3. ✓ A is true but R is false

4. ✘ A is false but R is true

**Question Number : 133 Question Id : 51714411702 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 total number of pixel values will a 8-bits satellite image have?

Options :

1. ✘ 64

2. ✘ 128

3. ✓ 256

4. ✘ 7856

**Question Number : 134 Question Id : 51714411703 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 process of image classification which of the following methods result in a greater accuracy of classes within an image actually matching land use patterns on the ground?

Options :

1. ✘ Automated

2. ✘ Unsupervised

3. ✔ Supervised

4. ✘ Robotic

Question Number : 135 Question Id : 51714411704 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

Where the shoreline is straight for many kilometers littoral drift moves the sand along the beach resulting in the formation of:

Options :

1. ✘ Pocket beach

2. ✔ Sandspit

3. ✘ Abrasion platform

4. ✘ Stack

Question Number : 136 Question Id : 51714411705 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

_____describes the ratio of lateral strain to longitudinal strain

Options :

1. ✔ Poisson's ratio

2. ✘ Elastic modulus

3. ✘ Young's modulus

4. ✘ Bulk modulus

Question Number : 137 Question Id : 51714411706 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 an S-tectonite the strain ellipsoid will be:

Options :

1. ✘ Prolate finite strain
2. ✘ Plane strain
3. ✔ Oblate finite strain
4. ✘ Infinite plane strain

Question Number : 138 Question Id : 51714411707 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 type of water exists as continuous film around the soil particles?

Options :

1. ✘ Hydromorphic
2. ✔ Hygroscopic
3. ✘ Capillary

Gravitational

4. ✘

Question Number : 139 Question Id : 51714411708 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 properties cannot be observed using a petrological microscope?

Options :

1. ✘

Extinction angle

2. ✘

Interference colour

3. ✔

Lusture

4. ✘

Pleochroism

Question Number : 140 Question Id : 51714411709 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

To produce precipitation in cold clouds by artificial modification, the following is used as ice nuclei

Options :

1. ✘ Silver chloride
2. ✔ Silver iodide
3. ✘ Potassium iodide
4. ✘ Potassium chloride

Question Number : 141 Question Id : 51714411710 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 average Bouger anomaly for the ocean as a whole is

Options :

1. ✔ Positive
2. ✘ Negative
3. ✘ Zero

4. ✘ Unpredictable

Question Number : 142 Question Id : 51714411711 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 most violent volcanoes are referred to as

Options :

1. ✘ Strombolian type

2. ✘ Vesuvian type

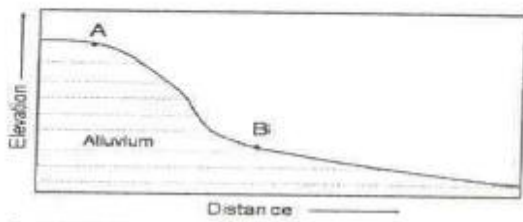
3. ✘ Hawaiian type

4. ✔ Plinian type

Question Number : 143 Question Id : 51714411712 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

Hydraulic gradient beneath A and B during rainy and dry seasons will



Options :

1. ✘ Not vary
2. ✘ Be lower during rainy season than dry season
3. ✔ Be higher during rainy season than dry season
4. ✘ Change only if rainfall occurs downslope of B

Question Number : 144 Question Id : 51714411713 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 most common anion in river water?

Options :

1. ✘ Cl^-
2. ✘ CO_3^{2-}

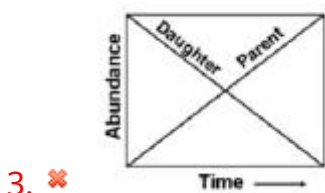
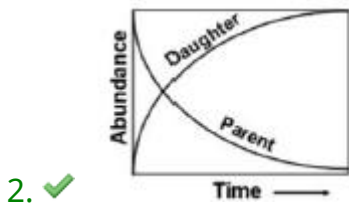
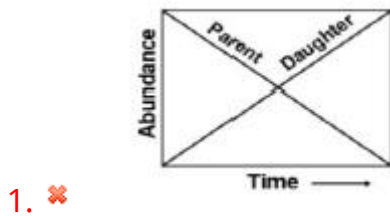
3. ✓ HCO_3^-

4. ✗ SO_4^{2-}

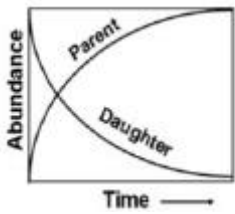
Question Number : 145 Question Id : 51714411714 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No
Correct Marks : 2 Wrong Marks : 0

95. Which of the following graphs correctly depicts the decay of a radioactive parent isotope and the growth of its radiogenic daughter?

Options :



4. ✗



Question Number : 146 Question Id : 51714411715 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 isotope ratios get significantly fractionated during evaporation of sea water?

Options :

1. ✘ $^{87}\text{Sr}/^{86}\text{Sr}$
2. ✔ $^{16}\text{O}/^{18}\text{O}$
3. ✘ $^{143}\text{Nd}/^{144}\text{Nd}$
4. ✘ $^{12}\text{C}/^{13}\text{C}$

Question Number : 147 Question Id : 51714411716 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

Two minerals, A and B, which do not show solution behaviour (at atomic scales) have melting temperatures 1200°C and 1000°C , respectively, at one atmospheric pressure. If they are physically mixed, the temperature of melting of the mixture will be around

Options :

1. ✘ 1000°C
2. ✘ 1200°C
3. ✔ Less than 1000°C
4. ✘ Between 1000°C and 1200°C

Question Number : 148 Question Id : 51714411717 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

Some minerals form solid solutions between different chemical components. This is because solid solutions, relative to mechanical mixture of the components, have

Options :

1. ✘ Higher free energy
2. ✔ Lower free energy

3. ✘ Higher covalency of bonding

4. ✘ Lower covalency of bonding

Question Number : 149 Question Id : 51714411718 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 mass extinction events in geological history is associated with the conspicuous iridium anomaly?

Options :

1. ✘ Permian/Triassic

2. ✘ Precambrian/Ordovician

3. ✔ Cretaceous/Tertiary

4. ✘ Eocene/Oligocene

Question Number : 150 Question Id : 51714411719 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 MT survey was conducted in two areas, having a half-space resistivity of $100 \Omega \text{ m}$ and $25 \Omega \text{ m}$, respectively. In the first area, a 100 seconds period signal is required to investigate up to 50 km depth. The signal period, in seconds, required to investigate up to same depth in the second area is

Options :

1. ✘ 100

2. ✘ 50

3. ✘ 200

4. ✔ 400