

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

Teaching and Research Aptitude

Group Number :	1
Group Id :	270282235
Group Maximum Duration :	60
Group Minimum Duration :	60
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Teaching and Research Aptitude

Section Id :	270282235
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	38
Number of Questions to be attempted :	38
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 :	2702821310
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 27028217864 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

In Which approach, the young learner is dependent upon the instructor for all the Learning ?

ఏ పద్ధతిలో, యువ అభ్యాసకుడు బోధకునిపై ఆధారపడతాడు ?

Options :

1. ✘ Androgogical
ఏండ్రోగోజికల్

2. ✔ Pedagogical
పెడగాజికల్

3. ✘ Dumping
డంపింగ్

4. ✘ Drawing out
డ్రాయింగు ఆవుట్

Question Number : 2 Question Id : 27028217865 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 2 Wrong Marks : 0

Creating conditions that are quite similar to actual conditions and providing training or learning in this environment is known as _____

వాస్తవానికి దగ్గరగా ఉండే పరిస్థితులను ఏర్పాటు చేయుట, అలాతోరణంలో శిక్షణ లేదా బోధనా చేయుట

Options :

1. ✘ Assignment
అసైన్మెంట్

2. ✘ Tutorial
ట్యూటోరియల్

3. ✔ Simulation
సిములేషన్

4. ✘ Demonstration
డిమాన్స్ట్రేషన్

Question Number : 3 Question Id : 27028217866 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 assessment method which emphasizes all aspects of a child's development is _____
_____ బిడ్డయొక్క అభివృద్ధిని అన్ని కోణాల నుండి ఉర్ఘాటించు మదింపు పద్ధతి

Options :

1. ✔ Comprehensive
సమగ్రం

2. ✘ Selective
ఎంపిక

3. ✘ Periodical
కాలానురిత్యా

Random

4. ✖ యాదృచ్ఛికము

Question Number : 4 Question Id : 27028217867 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 ability to control a group of students depends on:

ఒక విద్యార్థుల సమూహాన్ని నియంత్రించేయూ సామర్థ్యం దీనిపై ఆధారపడుతుంది

Options :

Brand of Institution

1. ✖ సంస్థ బ్రాండు

Level of Education

2. ✖ విద్యా స్థితి

Personality of the teacher and the rapport that he or she develops with them

3. ✔ బోధకుని వ్యక్తిత్వము, వారిలో పెంచుకున్న బాంధవ్యం

Size of the Classroom

4. ✖ తరగతి సైజు

Question Number : 5 Question Id : 27028217868 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

International literacy day is celebrated world wide on _____

అంతర్జాతీయ అక్షరాస్యత దినోత్సవాన్ని ప్రపంచ వ్యాప్తంగా ఏ రోజు జరుపుకుంటారు ?

Options :

1. ✘ September 5
సెప్టెంబర్ 5

2. ✔ September 8
సెప్టెంబర్ 8

3. ✘ November 14
నవంబర్ 14

4. ✘ December 5
డిసెంబర్ 5

Sub-Section Number :

2

Sub-Section Id :

2702821311

Question Shuffling Allowed :

No

Is Section Default? :

null

Question Number : 6 Question Id : 27028217869 Question Type : MCQ Option Shuffling : No Is

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

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

Correct Marks : 2 Wrong Marks : 0

This research feature allows the results of the research to be verified by repeating the study.

ఈ దిగువ పరిశోధనా లక్షణము , పరిశోధనా ఫలితాలను పునర్ అధ్యయనము ద్వారా సరిచూచుటకు ఉపయోగపడును

Options :

1.

✓ Replicable
పునరావృత్తము

2. ✘ Logical
తర్కము

3. ✘ Cyclical
చక్రీయము

4. ✘ Credibility
విశ్వసనీయము

Question Number : 7 Question Id : 27028217870 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No
Correct Marks : 2 Wrong Marks : 0

In which type of research it is all about moving from “Particular to General” ?

ఈ పరిశోధనా పద్ధతిలో అంతా “ప్రత్యేకత నుండి సాధారణీయతకు” కదలుట ఇందులో జనాభాలో
ఒక భాగము అనగా ప్రతచయనాన్ని అధ్యయనం చేస్తారు

Options :

1. ✘ Deductive
నిగమన

2. ✓ Inductive
అనుగమన

3. ✘ Logical
తర్కము

Unstructured Approach

అనిర్మాణాత్మక దృక్పథము

4. ✘

Question Number : 8 Question Id : 27028217871 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 which scale is usually to rank the subgroups in a certain sequence or order

ఈ స్కేలు యొక్క ఉద్దేశము సాధారణంగా ఉపసమూహములను ఒక వరుస లేదా క్రమంలో కోటి చేయుట

Options :

1. ✘ **Nominal**
నామకము

2. ✔ **Ordinal**
క్రమత్వము

3. ✘ **Interval**
అంతరం

4. ✘ **Ratio**
నిష్పత్తి

Question Number : 9 Question Id : 27028217872 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 includes detailed description of methods used for data collection, sampling procedures, use of tools for data collection and analysis of data ?

దత్తాంశ సేకరణలోను ప్రతిచయన విధానాలు, పనిముట్లు మరియు దత్తాంశ వివరణలోను ఇది కలిసి ఉన్నది

Options :

Recommendations & Suggestions

1. ✘ సిఫారసులు మరియు సలహాలు

Scope for further research

2. ✘ ఇంకనూ పరిశోధనకు అవకాశం

Research Design

3. ✔ పరిశోధనారూపము

Bibliography

4. ✘ ఉపయుక్త గ్రంథ పట్టిక

Question Number : 10 Question Id : 27028217873 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 reasons which is the term used to check whether the research results are consistent or not

పరిశోధనా, సందర్భంలో పరిశోధనా ఫలితాలు నిలకడగా ఉన్నాయా లేదా అని సరిచూచుటకు వాడు అంశము

Options :

Validity

1. ✘ సక్రమత

2. ✓ Reliability
విశ్వసనీయత

3. ✘ Generalizability
సాధారణీకరణ

4. ✘ Explicability
సాధ్యత

Sub-Section Number : 3
Sub-Section Id : 2702821312
Question Shuffling Allowed : No
Is Section Default? : null

Question Id : 27028217874 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

Read the following passage and answer questions 11-15:

Performance dimensions are factors that lead to creation. They go beyond the competencies such as knowledge and skill of the individual. Performance dimensions are broader and deeper than what a person must now and be able to do in order to function well in his or her job. They include attitude, values and character traits. They exist at various levels of human personality. At the behavioral level, we can observe skills and knowledge. Social roles and self image dimensions are found at the intermediate level. Motives and traits exist at the inner most or core level. If we can identify those performance dimensions which are most highly correlated with job success, we can put them together to form a blue print for outstanding performance in both thought and action.

పనితీరు కొలతలు సృష్టికి దారితీసే కారకాలు. అవి వ్యక్తి యొక్క జ్ఞానం మరియు నైపుణ్యం వంటి సామర్థ్యాలను మించిపోతాయి. పనితీరు కొలతలు ఒక వ్యక్తి ఇప్పుడు చేయవలసిన దాని కంటే విస్తృతంగా మరియు లోతుగా ఉంటాయి మరియు అతని లేదా ఆమె ఉద్యోగంలో బాగా పనిచేయడానికి ఉపయోగ పడాలి. అవి వైఖరి, విలువలు మరియు పాత్ర లక్షణాలను కలిగి ఉంటాయి. అవి మానవ వ్యక్తిత్వం యొక్క వివిధ స్థాయిలలో అవి ఉన్నాయి. ప్రవర్తనా స్థాయిలో, మనం నైపుణ్యాలు మరియు జ్ఞానాన్ని గమనించవచ్చు. సామాజిక పాత్రలు మరియు స్వీయ ఇమేజ్ కొలతలు ఇంటర్మీడియట్ స్థాయిలో కనిపిస్తాయి. ఉద్దేశాలు మరియు లక్షణాలు అంతర్గత లేదా ప్రధాన స్థాయిలో ఉన్నాయి. ఉద్యోగ విజయంతో అత్యంత పరస్పర సంబంధం ఉన్న పనితీరు కొలతలను మనం గుర్తించగలిగితే, ఆలోచన మరియు చర్య రెండింటిలోనూ అత్యుత్తమ పనితీరు కోసం బ్లూ ప్రింట్ ను రూపొందించడానికి మనము వాటిని కలిపి ఉంచవచ్చు.

Sub questions

Question Number : 11 Question Id : 27028217875 Question Type : MCQ Option Shuffling : No

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

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

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

No

Correct Marks : 2 Wrong Marks : 0

Performance dimensions exist at _____ levels.

పనితీరు కొలతలు _____ స్థాయిలలో ఉన్నాయి

Options :

three

1. ✓ మూడు

2. ✘

two
రెండు

five

3. ✘ ఐదు

four

4. ✘ నాలుగు

Question Number : 12 Question Id : 27028217876 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 meaning of the phrase 'blue-print' is _____
బ్లూ-ప్రింట్స్ అనే పదబంధం యొక్క అర్థం _____

Options :

guide

1. ✔ మార్గదర్శి

catalogue

2. ✘ జాబితా

model

3. ✔ నమూనా

book

4. ✘ పుస్తకం

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 : 13 Question Id : 27028217877 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Performance dimensions lay thrust on _____
పనితీరు కొలతలు _____ పై ఎక్కువ దృష్టి పెడతాయి

Options :

1. ✓ ethics
నైతికత

2. ✗ power
శక్తి

3. ✗ fitness
ధారుడ్యం

4. ✗ technology
సాంకేతికం

Question Number : 14 Question Id : 27028217878 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

At the intermediate level _____ can be found
ఇంటర్మీడియట్ స్థాయిలో _____ కనిపిస్తాయి

Options :

1. ✘ prejudice
పక్షపాతం
2. ✔ self-perception
స్వీయ అవగాహన
3. ✘ self- distrust
స్వీయ అపనమ్మకం
4. ✘ ego
అహంకారం

**Question Number : 15 Question Id : 27028217879 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No**

Correct Marks : 2 Wrong Marks : 0

'Performance dimensions are correlated with success' means:

పనితీరు కొలతలు విజయంతో పరస్పర సంబంధం కలిగి ఉంటాయి, అనగా _____

Options :

1. ✔ Performance dimensions are directly proportional to success
పనితీరు కొలతలు విజయానికి నేరుగా అనులోమానుపాతంలో ఉంటాయి
2. ✘ Performance dimensions are incongruent to success
పనితీరు కొలతలు విజయానికి అసంగతమైనవి

Performance dimensions and success are on different levels

3. ✖ పనితీరు కొలతలు మరియు విజయం వివిధ స్థాయిలలో ఉన్నాయి

Performance and success aren't interrelated

4. ✖ పనితీరు మరియు విజయం పరస్పరం సంబంధం కలిగి ఉండవు

Sub-Section Number :	4
Sub-Section Id :	2702821313
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 16 Question Id : 27028217880 Question Type : MCQ Option Shuffling : No

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

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

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

No

Correct Marks : 2 Wrong Marks : 0

___ errors can arise from a lack of knowledge or cognitive capability
and lead to distorted messages.

జ్ఞానం లేదా అభిజ్ఞా సామర్థ్యం లేకపోవడం వల్ల _____ లోపాలు
తలెత్తుతాయి మరియు వక్రీకరించిన సందేశాలకు దారితీయవచ్చు

Options :

1. ✖ decoding
డీకోడింగ్
2. ✓ encoding
ఎన్కోడింగ్
3. ✖ feedback
అభిప్రాయం

Channel

మార్గం

4. ✖

Question Number : 17 Question Id : 27028217881 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 includes gestures, facial expressions, eye contact
and posture.

_____ భావవ్యక్తీకరణ లో హావభావాలు, ముఖ, కంటి కవళికలు, మరియు
భంగిమ ఉంటాయి.

Options :

para- verbal

పారా వెర్బల్ / శబ్ద సంబంధిత

1. ✖

verbal

వెర్బల్ / శబ్దం తో కూడిన

2. ✖

non-verbal

నాన్ వెర్బల్ / బాషా రహిత

3. ✔

written

రాయబడిన

4. ✖

Question Number : 18 Question Id : 27028217882 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No

Correct Marks : 2 Wrong Marks : 0

_____listening means paying close attention to the person who is speaking.

_____వినడం అంటే మాట్లాడే వ్యక్తిని నిశితంగా గమనించడం

Options :

1. ✓ active
చురుకుగా
2. ✘ confident
నమ్మకంగా
3. ✘ Biased
పక్షపాతం
4. ✘ Passive
నిష్క్రియాత్మ

Question Number : 19 Question Id : 27028217883 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No

Correct Marks : 2 Wrong Marks : 0

_____means that you can understand and share the emotions of others.

_____ ఉంటే మీరు ఇతరుల భావోద్వేగాలను అర్థం చేసుకోగలరు

మరియు పంచుకోగలరు.

Options :

1. ✘ gratitude
కృతజ్ఞత

2. ✘ prejudice
పక్షపాతం

3. ✔ empathy
సానుభూతి

4. ✘ Appreciation
ప్రశంస

Question Number : 20 Question Id : 27028217884 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 establish trust among teammates,_____is necessary.

సహచరుల మధ్య నమ్మకాన్ని నెలకొల్పడానికి _____ అవసరం

Options :

1. ✘ accountability
జవాబుదారీతనం

identity
2. ✘ గుర్తింపు

individuality
3. ✘ వ్యక్తిత్వం

transparency
4. ✔ పారదర్శకత

Sub-Section Number : 5
Sub-Section Id : 2702821314
Question Shuffling Allowed : No
Is Section Default? : null

Question Number : 21 Question Id : 27028217885 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No
Correct Marks : 2 Wrong Marks : 0

125: 216 : : 1331 : _____

Options :

1. ✘ 3311

2. ✘ 2442

3. ✔ 1728

4. ✖ 4334

Question Number : 22 Question Id : 27028217886 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 boat can travel $1\frac{1}{2}$ times the distance down the stream than up the stream in the same time. If the speed of the current is 3 kmph, then the speed of the boat in still water.

ఒక పడవ అదే సమయంలో ఎగువ ప్రవాహంలో ప్రయాణించే దూరం కంటే $1\frac{1}{2}$ రెట్లు దిగువ ప్రవాహంలో ప్రయాణించగలదు. ప్రస్తుత వేగం గంటకు 3 కి.మీ అయితే, నిశ్చల నీటిలో పడవ వేగము

Options :

1. ✖ 12 km
12 కి.మీ.

2. ✔ 15 km
15 కి.మీ.

3. ✖ 18 km
18 కి.మీ.

4. ✖ 20 km
20 కి.మీ.

Question Number : 23 Question Id : 27028217887 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 numbers are in the ratios 4 : 7. If 14 is added to each, they are in the ratio 5 : 7. The numbers are ____

రెండు సంఖ్యలు 4:7 నిష్పత్తిలో ఉన్నాయి. ప్రతిదానికి 14 కలిపిన, అవి 5:7 నిష్పత్తిలో ఉంటాయి. ఆ సంఖ్యలు ____

Options :

1. ✓ 16, 28

2. ✗ 20, 49

3. ✗ 50, 70

4. ✗ 40, 70

Question Number : 24 Question Id : 27028217888 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 quartile deviation for the prices of 12 goods in a super market: 10, 20, 40, 15, 18, 60, 51, 72, 80, 22, 56, 5 is _____

ఒక సూపర్ మార్కెట్‌లోని 12 వస్తువుల ధరలు : 10, 20, 40, 15, 18, 60, 51, 72, 80, 22, 56, 5. ఆ ధరలకు చతుర్థాంశ విచలనము

Options :

1. ✗ 15.75

2. ✘ 59.00

3. ✔ 21.625

4. ✘ 43.25

Question Number : 25 Question Id : 27028217889 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 examination Amar got 8% less than the pass mark and Mohan got 20% more than the pass mark. If the difference between the percentages of their marks is 14, then the pass percentage is ____

ఒక పరీక్షలో అమర్ పాస్ మార్కు కంటే 8% తక్కువ పొందాడు మరియు మోహన్ పాస్ మార్కు కంటే 20% ఎక్కువ పొందాడు. వారి మార్కుల శాతాల మధ్య వ్యత్యాసం 14 అయితే, ఉత్తీర్ణత శాతం ____

Options :

1. ✘ 40%

2. ✔ 50%

3. ✘ 60%

4. ✘ cannot be determined
కనుగొనలేము

Sub-Section Number : 6
Sub-Section Id : 2702821315
Question Shuffling Allowed : No
Is Section Default? : null

Question Id : 27028217890 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 : (26 to 30)

Question Label : Comprehension

The questions 26 to 29 are based on the following data.

26 నుండి 29 ప్రశ్నలు క్రింది దత్తాంశము ఆధారంగా ఉంటాయి.

There are eight persons A, B, C, D, E, F, G, and H. Among them there are three married couples and two pairs of siblings. It is known that

- (i) D's father-in-law is E and F's son-in-law is G.
- (ii) Members in each pair of siblings are of different genders.
- (iii) A's mother H likes B, the daughter of C and E.
- (iv) A is B's sister-in-law and two of the three married couples have two children each.
- (v) These eight members are among the three married couples and two pairs of siblings.

A, B, C, D, E, F, G, మరియు H అను ఎనిమిది మంది వ్యక్తులు కలరు .

వారిలో ముగ్గురు వివాహిత జంటలు మరియు రెండు జతల తోబుట్టువులు ఉన్నారు.

- (i) D యొక్క మామగారు E మరియు F అల్లుడు G.
- (ii) ప్రతి జత తోబుట్టువుల సభ్యులు వేర్వేరు లింగాలకు చెందినవారు.
- (iii) A యొక్క తల్లి H, C మరియు E ల కుమార్తె అయిన Bని ఇష్టపడుతుంది.
- (iv) A అనేది B యొక్క కోడలు మరియు ముగ్గురు వివాహిత జంటలలో ఇద్దరికి ఒక్కొక్కరికి ఇద్దరు పిల్లలు ఉన్నారు.
- (v) ఈ ఎనిమిది మంది సభ్యులు ముగ్గురు వివాహిత జంటలు మరియు రెండు జతల తోబుట్టువులలో ఉన్నారు అని తెలిసింది.

Sub questions

Question Number : 26 Question Id : 27028217891 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :

No

Correct Marks : 2 Wrong Marks : 0

Who are males among the eight?

ఎనిమిది మందిలో వురుషులు ఎవరు ?

Options :

1. ✓ F, G, D, E

2. ✗ E, D, G, F

3. ✗ G, C, D, B

4. ✗ F, A G, E

Question Number : 27 Question Id : 27028217892 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 C is related to G?

C ఎలా G కి సంబంధించినది?

Options :

1. ✓ Mother
తల్లి

2. ✗ Mother-in-law
అత్తగారు

3. ✘ Father
తండ్రి

4. ✘ No relationships exist
సంబంధాలు లేవు

Question Number : 28 Question Id : 27028217893 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 D is related to B?
D ఎలా B కి సంబంధించినది?

Options :

1. ✘ Brother-in-law
బావమరిది

2. ✔ Brother
సోదరుడు

3. ✘ Husband
భర్త

4. ✘ Sister
సోదరి

Question Number : 29 Question Id : 27028217894 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 H is related to B ?
H ఎలా B కి సంబంధించినది ?

Options :

1. ✘ Mother
తల్లి
2. ✘ Sister-in-law
వదిన
3. ✘ Sister
సోదరి
4. ✔ Mother-in-law
అత్తగారు

Question Number : 30 Question Id : 27028217895 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 'PANCREAS' is coded as 'SAERCNAP' ,
then how is the word 'STADIUM' coded in that language

నిర్దిష్ట కోడ్ భాషలో 'PANCREAS' అనే పదాన్ని 'SAERCNAP' గా కోడ్ చేస్తే, ఆ భాషలో 'STADIUM'
అనే పదం ఎలా కోడ్ చేయబడింది

Options :

1. ✘ MUDIATS

2. ✘ MUDIAST

3. ✔ MUIDATS

4. ✘ MIUDATS

Sub-Section Number :

7

Sub-Section Id :

2702821316

Question Shuffling Allowed :

No

Is Section Default? :

null

Question Id : 27028217896 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)

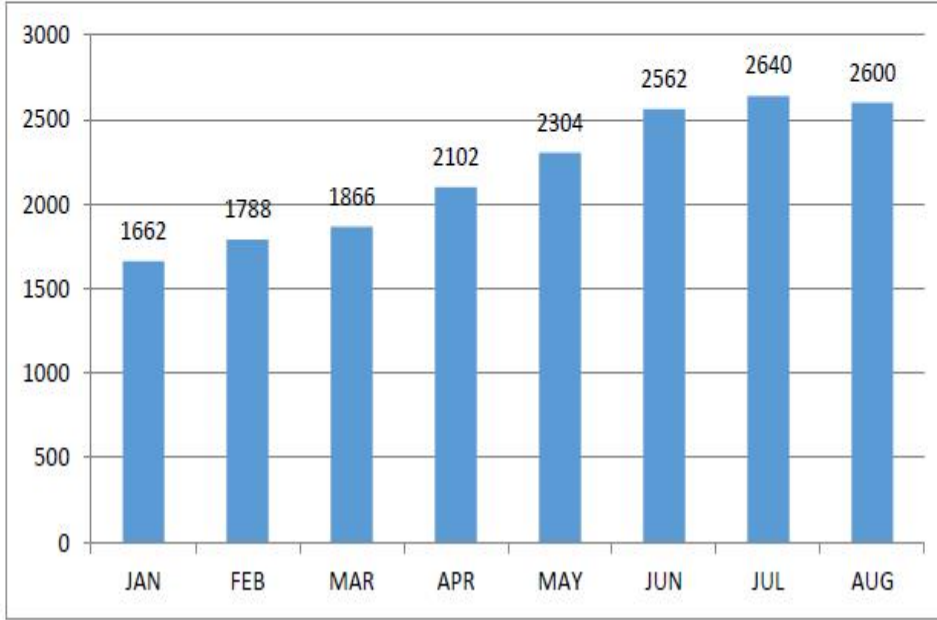
Question Label : Comprehension

Note: Answer the questions 31 to 35 based on the data provided below

గమనిక: దిగువ అందించిన దత్తాంశము ఆధారంగా 31 నుండి 35 ప్రశ్నలకు సమాధానాలు వ్రాయండి.

The production of a company in the year 2019 from January to August are presented in the bar chart presented below.

2019 సంవత్సరంలో జనవరి నుండి ఆగస్టు వరకు కంపెనీ ఉత్పత్తిని దిగువ అందించిన బార్ చిత్రము లో ప్రదర్శించారు.



Sub questions

Question Number : 31 Question Id : 27028217897 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 months shows maximum increase in the production over its immediately preceding month?

కింది నెలల్లో ఏ నెలలో దాని ముందున్న నెల కంటే ఉత్పత్తిలో గరిష్ట పెరుగుదలను చూపుతుంది

Options :

March మార్చి

1. ✘

2. ✓ April ఏప్రిల్

3. ✘ May మే

4. ✘ June జూన్

Question Number : 32 Question Id : 27028217898 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

By how much is the average production of last five months more than the average production of first three months

మొదటి మూడు నెలల సగటు ఉత్పత్తి కంటే గత ఐదు నెలల సగటు ఉత్పత్తి ఎంత ఎక్కువ

Options :

1. ✘ 6892.0

2. ✘ 2297.6

3. ✓ 669.6

4. ✘ 899.6

Question Number : 33 Question Id : 27028217899 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 month shows exactly the same increase in production over its immediately preceding month as the month of March shows over that of February?

మార్చి నెల లో చూపిన పెరుగుదల దాని ముందున్న ఫిబ్రవరి నెల, కంటే ఎంత ఉంది, సరిగ్గా అదే పెరుగుదలను ఏ నెలలో చూపుతుంది

Options :

1. ✘ February ఫిబ్రవరి

2. ✘ April ఏప్రిల్

3. ✘ May మే

4. ✔ None ఏవి కావు

Question Number : 34 Question Id : 27028217900 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No

Correct Marks : 2 Wrong Marks : 0

Approximately by what percent did the total production in the two consecutive months of July and August increases over the total production in the first two consecutive months of January and February?

జులై మరియు ఆగస్టు రెండు వరుస నెలల్లో మొత్తం ఉత్పత్తి జనవరి మరియు ఫిబ్రవరి మొదటి రెండు వరుస నెలల్లో మొత్తం ఉత్పత్తి కంటే సుమారుగా ఎంత శాతం పెరిగింది

Options :

1. ✘ 95

2. ✔ 52

3. ✘ 75

4. ✘ 86

Question Number : 35 Question Id : 27028217901 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 months have more than the average production for the given 8 months period

ఇచ్చిన 8 నెలల కాలానికి సగటు ఉత్పత్తి కంటే ఎన్ని నెలలు ఎక్కువ

Options :

1. ✘ 5

2. ✓ 2

3. ✘ 3

4. ✓ 2

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.

Sub-Section Number : 8
Sub-Section Id : 2702821317
Question Shuffling Allowed : No
Is Section Default? : null

Question Number : 36 **Question Id :** 27028217902 **Question Type :** MCQ **Option Shuffling :** No
Is Question Mandatory : No **Calculator :** None **Response Time :** N.A **Think Time :** N.A
Minimum Instruction Time : 0 **Allowed Progression :** Yes **Number of Replay :** 999 **Play On Load :** No **Control Enable :** Yes **Time interval to replay(In Seconds) :** 0 **Allow Volume Control :** No

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

ASCII Stands for

ఎ.యస్. సి. ఐ.ఐ అనగా

Options :

American Standard Code for Internet Interchange

1. ✘ అమెరికన్ స్టాండర్డ్ కోడ్ ఫర్ ఇంటర్నెట్ ఇంటర్ఛేంజ్

American Standard Code for Information Interchange

2. ✓ అమెరికన్ స్టాండర్డ్ కోడ్ ఫర్ ఇన్ఫర్మేషన్ ఇంటర్ఛేంజ్

3. ✘

American Standard Code for Information Institute
అమెరికన్ స్టాండర్డ్ కోడ్ ఫర్ ఇన్ఫర్మేషన్ ఇనిస్టిట్యూట్

American Standard Code for Institute Interchange
అమెరికన్ స్టాండర్డ్ కోడ్ ఫర్ ఇనిస్టిట్యూట్ ఇంటర్ఛేంజ్

4. ✘

Question Number : 37 Question Id : 27028217903 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No

Correct Marks : 2 Wrong Marks : 0

Deleted e-mails are stored in.....
తొలగించబడిన మెయిల్స్ ఉపప్రదేశము

Options :

1. ✘ Draft
డ్రాఫ్ట్

2. ✔ Trash
ట్రాష్

3. ✘ Inbox
ఇన్బాక్స్

4. ✘ Sent Mail
సెంట్ మెయిల్

Question Number : 38 Question Id : 27028217904 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 learning situation in which the teacher and student are not in the same location.

ఉపాధ్యాయుడు, విద్యార్థి ఒకే స్థానంలో లేని అభ్యాస పరిస్థితి

Options :

1. ✘ Dual credit course
ద్వంద క్రెడిటు కోర్సు

2. ✘ Accredited
ఎక్రెడిటెడ్

3. ✔ Distance learning
డిస్టన్స్ లెర్నింగ్

4. ✘ Webquest
వెబ్ క్వెస్టు

Question Number : 39 Question Id : 27028217905 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No

Correct Marks : 2 Wrong Marks : 0

SWAYAM Prabha is devoted to telecast High Quality Educational Programmes on 24x7 bases through a group of.....

స్వయం ప్రభ అనునది, ఈ దిగువ ఛానళ్ళ సమూహము ద్వారా 24x7 పద్ధతితో ఉత్తమ గుణక విద్యా ప్రోగ్రామ్ లను ప్రసారం చేయుటకు నిర్దేశించబడినది

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

Options :

1. 64 Channels

2. 32 Channels

3. 16 Channels

4. 44 Channels

Question Number : 40 Question Id : 27028217906 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 can be the disadvantage of using ICT in Education?

విద్యలో ఐసిటి ని ఉపయోగించుటకు ఈ దిగువ అంశము ప్రతి కూలత కలది

Options :

1. ✘ Collaborative learning
కొలాబరేటివ్ లెర్నింగు

2. ✔ Privacy Theft
ప్రైవసీ థెఫ్ట్

3. ✘ Motivation
మోటివేషను

4. ✘ Experience
ఎక్స్పీరియన్సు

Sub-Section Number :

9

Sub-Section Id :

2702821318

Question Shuffling Allowed :

No

Is Section Default? :

null

Question Number : 41 Question Id : 27028217907 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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/are Millennium Development Goal?

ఈ దిగువ వానిలో ఏవి మిలినియం అభివృద్ధి లక్ష్యం?

Options :

1. ✘ Addressing climate change
వాతావరణ మార్పును సరిచూచుట
2. ✔ Improving maternal health
మాతృత్వ ఆరోగ్యాన్ని మెరుగుపరచుట
3. ✘ Ensuring energy security for all
అందరూ శక్తివంతంగా ఉండునట్లు చూచుట
4. ✘ Both a and c
a మరియు c

Question Number : 42 Question Id : 27028217908 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 major source of the pollutant gas, carbon mono-oxide (CO), in urban areas is

పట్టణ ప్రాంతాలలో కాలుష్య వాయువు కార్బన్మోనోఆక్సైడ్ (ఁ) యొక్క పెద్దవనరు రంగం

Options :

1. ✘ Thermal power sector
ధర్మల్ విద్యుత్తు రంగం

2. ✓ Transport sector
రవాణా రంగం

3. ✘ Industrial sector
పారిశ్రామిక రంగం

4. ✘ Domestic sector
గృహ రంగం

Question Number : 43 Question Id : 27028217909 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 main pollutant in the air is

..... గాలిలో అధిక కాలుష్యం

Options :

1. ✓ CO

2. ✘ CO₂

3. ✘ N₂

4. ✘

Question Number : 44 Question Id : 27028217910 Question Type : MCQ Option Shuffling : No
 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
 Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
 No

Correct Marks : 2 Wrong Marks : 0

Choose the set of non-renewable resources

నవీకరణ చేయలేని వనరుల సముదాయము

Options :

1. ✘ Uranium, natural gas, soil
యురేనియం, సహజవాయువు, నేల
2. ✔ Natural gas, uranium, phosphates
సహజవాయువు, యురేనియం, ఫాస్ఫేట్లు
3. ✘ Petroleum, uranium, geothermal energy
పెట్రోలియం, యురేనియం, జియోథర్మల్ శక్తి
4. ✘ Shale gas, Uranium, soil
షేల్ గ్యాస్, యురేనియం, నేల

Question Number : 45 Question Id : 27028217911 Question Type : MCQ Option Shuffling : No
 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

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

Correct Marks : 2 Wrong Marks : 0

Seismograph is used to

సీస్మోగ్రాఫ్ దీనికి ఉపయోగిస్తారు

Options :

1. ✘ Measure speed of cyclone
గాలివాన వేగాన్ని కొలచుటకు
2. ✔ Measure Earthquake
భూకంపాన్ని కొలచుటకు
3. ✘ Measure rainfall
వర్షాన్ని కొలచుటకు
4. ✘ Measure charge on any metal rod
ఏదైనా లోహపు ముక్కపై ఛార్జ్

Sub-Section Number : 10
Sub-Section Id : 2702821319
Question Shuffling Allowed : No
Is Section Default? : null

Question Number : 46 Question Id : 27028217912 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On

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

Correct Marks : 2 Wrong Marks : 0

Who is crowned as father of Medicine?

మంత్రిత్వ శాఖ ఫాదర్ ఆఫ్ మెడిసిన్ అని గౌరవింపబడినది ఎవరు ?

Options :

1. ✘ Sushrut
శుశ్రూత్

2. ✔ Charaka
చరక

3. ✘ Varahmitra
వరాహ మిత్ర

4. ✘ Kanad
కనాడ్

Question Number : 47 Question Id : 27028217913 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 curriculum frameworks is not proposed by NEP – 2020?

ఈ దిగువ వానిలో ఏ పాఠ్యంశ ఫ్రేము వర్కు NEP – 2020 లో ప్రతిపాదించబడ లేదు

Options :

1. ✘

National Curriculum Framework for School Education
స్కూలు విద్యమేరకు జాతీయ పాఠ్యంశ ఫ్రేము వర్కు

2. ✘ National Curriculum Framework for Adult Education
వయోజన విద్యమేరకు జాతీయ పాఠ్యంశ ఫ్రేము వర్కు

3. ✔ National Curriculum Framework for Technical Education
సాంకేతిక విద్యమేరకు జాతీయ పాఠ్యంశ ఫ్రేము వర్కు

4. ✘ National Curriculum Framework for Teacher Education
అధ్యపము విద్యమేరకు జాతీయ పాఠ్యంశ ఫ్రేము వర్కు

Question Number : 48 Question Id : 27028217914 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 new pattern of 10 + 2 Education Policy in the New Education Policy 2022?

2022 కొత్త విద్యా విధానంలో 10 + 2 విద్యా విధాన కొత్త నమునా ఏది ?

Options :

1. ✘ 5+3+4+3

2. ✔ 5+3+3+4

3. ✘ 5+4+3+3

4. ✖ 5+4+3+4

Question Number : 49 Question Id : 27028217915 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 Professional Course?

ఈ దిగువ వానిలో ఏది వృత్తిపర కోర్సు కాదు ?

Options :

1. ✖ Pharmacy
ఫార్మసీ

2. ✖ Law
లా

3. ✖ Engineering
ఇంజనీరింగు

4. ✔ Fine Arts
ఫైన్ ఆర్ట్స్

Question Number : 50 Question Id : 27028217916 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :

No

Correct Marks : 2 Wrong Marks : 0

National Skill Qualification Framework (NSQF) organizes qualification according to series of levels of

జాతీయ కౌశల్య అర్హత ఫ్రేమ్ వర్కు ఈ దిగువ వానిలో స్థితి శ్రేణుల ఆధారంగా అర్హతను ఏర్పాటు చేయునవి

Options :

1. ✖ Skills, Achievement and Aptitude
కౌశల్యము, సాధించుట, అభిరుచి

2. ✖ Skills, Experience and Aptitude
కౌశల్యము, అనుభవము, అభిరుచి

3. ✔ Knowledge, Skills and Aptitude
జ్ఞానము, కౌశల్యము, అభిరుచి

4. ✖ Knowledge, Skills and Experience
జ్ఞానము, కౌశల్యము, అనుభవము

EARTH SCIENCES

Group Number :	2
Group Id :	270282236
Group Maximum Duration :	120
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0

Group Marks :	200
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

EARTH SCIENCES

Section Id :	270282236
Section Number :	1
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 :	2702821320
Question Shuffling Allowed :	No
Is Section Default? :	null

**Question Number : 51 Question Id : 27028217917 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 represented by 'A' corner of the ternary AFM diagrams?

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

Options :

1. $\text{Al}_2\text{O}_3 + \text{Fe}_2\text{O}_3$
2. $\text{Al}_2\text{O}_3 + \text{Fe}_2\text{O}_3 - \text{Na}_2\text{O} - \text{K}_2\text{O} - \text{CaO}$
3. $\text{Al}_2\text{O}_3 + \text{FeO} - \text{Na}_2\text{O} - \text{K}_2\text{O}$
4. $\text{Al}_2\text{O}_3 + \text{Fe}_2\text{O}_3 - \text{Na}_2\text{O} - \text{K}_2\text{O}$

Question Number : 52 Question Id : 27028217918 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 part of the interference figure?

Options :

1. ✘ Melatope
2. ✘ Isochromes

3. ✘ Isogyre

4. ✔ Isotone

**Question Number : 53 Question Id : 27028217919 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No**

Correct Marks : 2 Wrong Marks : 0

REE minerals are commonly associated with

Options :

1. ✘ Dunite

2. ✔ Carbonatite

3. ✘ Quartzite

4. ✘ Dolomite

**Question Number : 54 Question Id : 27028217920 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 followings is the best geophysical method for identifying a stratiform chromite deposit?

Options :

1. ✘ Magnetic Survey
2. ✔ Gravity Survey
3. ✘ Self-Potential
4. ✘ None of these

Question Number : 55 Question Id : 27028217921 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Exfoliation is a typical form of

Options :

1. ✘ Chemical weathering
2. ✘ Biochemical weathering
3. ✔ Physical weathering
4. ✘ Mass wasting

Question Number : 56 Question Id : 27028217922 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Infiltrated water above the water table is known as:

Options :

1. ✘ Percolating water
2. ✔ Vadose water
3. ✘ Soil water
4. ✘ Connate water

Question Number : 57 Question Id : 27028217923 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Cruciform twinning is exhibited by

Options :

1. ✘ Kyanite

2. ✓ Stauroelite

3. ✗ Grossular

4. ✗ Albite

Question Number : 58 Question Id : 27028217924 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 the fault planes strike parallel to the tunnel axis, then the site condition for tunnelling will be:

Options :

1. ✗ Desirable

2. ✗ Most desirable

3. ✓ Undesirable

4. ✗ Limited effect

Question Number : 59 Question Id : 27028217925 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 sedimentary rock consisting entirely of less than 1/16 mm. grain size particles is called as

Options :

1. ✘ Pelite
2. ✘ Psammite
3. ✔ Lutite
4. ✘ None of the above

Question Number : 60 Question Id : 27028217926 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Rank of coal is determined by

Options :

1. ✘ Reflectance
2. ✘ Moisture content
3. ✘ Volatile matter content

4. ✓ All of these

**Question Number : 61 Question Id : 27028217927 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No**

Correct Marks : 2 Wrong Marks : 0

Aravallies lie against the Vindhyan along a tectonic plane and the plane is a:

Options :

1. ✘ Main Boundary Fault

2. ✓ Great Boundary Fault

3. ✘ Main Central Thrust

4. ✘ High angle Reverse Fault

**Question Number : 62 Question Id : 27028217928 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 column A with column B and select the correct answer using the code given below

Column A

1. Rhythmite
2. Graded bedding
3. Herringbone structure
4. Cross bedding

Column B

- A. Beach deposit
- B. Fluvial deposit
- C. Glacial deposit
- D. Turbidite deposit

Options :

1. ✘ 1-D, 2-A, 3-C, 4-B
2. ✘ 1-C, 2-B, 3-A, 4-D
3. ✘ 1-A, 2-B, 3-D, 4-C
4. ✔ 1-C, 2-D, 3-A, 4-B

Question Number : 63 Question Id : 27028217929 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 statement is not correct in the formation process of petroleum from Kerogen?

Options :

1. ✘ Catagenesis is the principal zone of oil formation
2. ✘ Wet gas is formed during catagenesis by cracking

3. ✘ Liquid hydrocarbons are cracked and convert into gas during metagenesis
4. ✔ Diagenesis is the mature stage with high hydrocarbon generation

Question Number : 64 Question Id : 27028217930 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 code below

<u>List-I</u>	<u>List-II</u>
(Plagioclase feldspar)	(Mole % Plagioclase)
1. Andesine	A. An ₁₀ -An ₃₀
2. Labradorite	B. An ₃₀ -An ₅₀
3. Oligoclase	C. An ₅₀ -An ₇₀
4. Bytownite	D. An ₉₀ -An ₁₀₀
	E. An ₇₀ -An ₉₀

Options :

1. ✘ 1-D, 2-A, 3-B, 4-C
2. ✘ 1-A, 2-B, 3-D, 4-E
3. ✔ 1-B, 2-C, 3-A, 4-E
4. ✘ 1-A, 2-C, 3-B, 4-D

Question Number : 65 Question Id : 27028217931 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 hybrid rock “Kodurite” consists of

Options :

1. ✓ Garnet+Spessartite+Rhodonite+Feldspar+Quartz+Apatite
2. ✗ Garnet+Braunite+Rhodochrosite+Feldspar+Biotite +Quartz
3. ✗ Manganite+Feldspar+Quartz+Hematite+Feldspar+Kaolinite
4. ✗ None of the above

Question Number : 66 Question Id : 27028217932 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No

Correct Marks : 2 Wrong Marks : 0

Strike slip fault produces which kind of the following type of sedimentary basins?

Options :

1. ✗ Foreland basins
2. ✓ Pull-apart basins

3. ✘ Deep sea trenches

4. ✘ Aulacogens

Question Number : 67 Question Id : 27028217933 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 followings is not an index fossil?

Options :

1. ✘ Paradoxide pinus

2. ✔ Turritella angulate

3. ✘ Scaphites hippocrepis

4. ✘ Cardita beaumonti

Question Number : 68 Question Id : 27028217934 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No

Correct Marks : 2 Wrong Marks : 0

Geostationary satellites are placed at an altitude of approximately

Options :

1. ✓ 22,300 mile
2. ✗ 11,000 mile
3. ✗ 24,000 mile
4. ✗ 33,000 mile

Question Number : 69 Question Id : 27028217935 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 situ deformation test of rocks is determined by

Options :

1. ✗ Etch Test
2. ✗ Brazillian Test
3. ✓ Jack Test
4. ✗ None of the above

Question Number : 70 Question Id : 27028217936 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No

Correct Marks : 2 Wrong Marks : 0

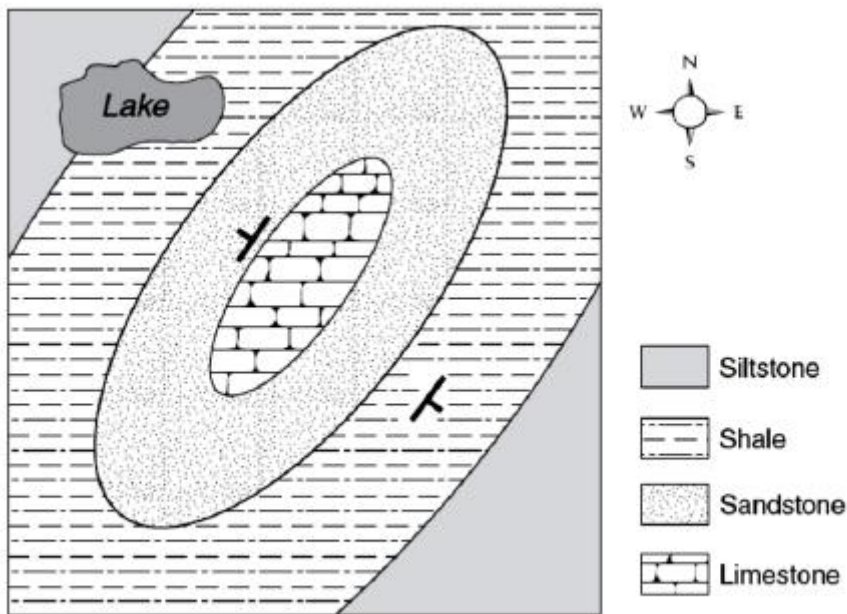
Which of the following statements about rock deformation is false?

Options :

1. ✘ Deep crustal rocks are more likely to deform ductility than shallow crustal rocks
2. ✔ Rocks under low confining pressure are more likely to deform ductility than rocks under high confining pressure
3. ✘ Most sedimentary rocks are more deformable than igneous rocks
4. ✘ Hotter rocks are more likely to deform ductility than cooler rock

Question Number : 71 Question Id : 27028217937 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 geological structure is shown on the map above?

Options :

1. ✘ Basin
2. ✔ Dome
3. ✘ Syncline
4. ✘ Anticline

Question Number : 72 Question Id : 27028217938 Question Type : MCQ Option Shuffling : No

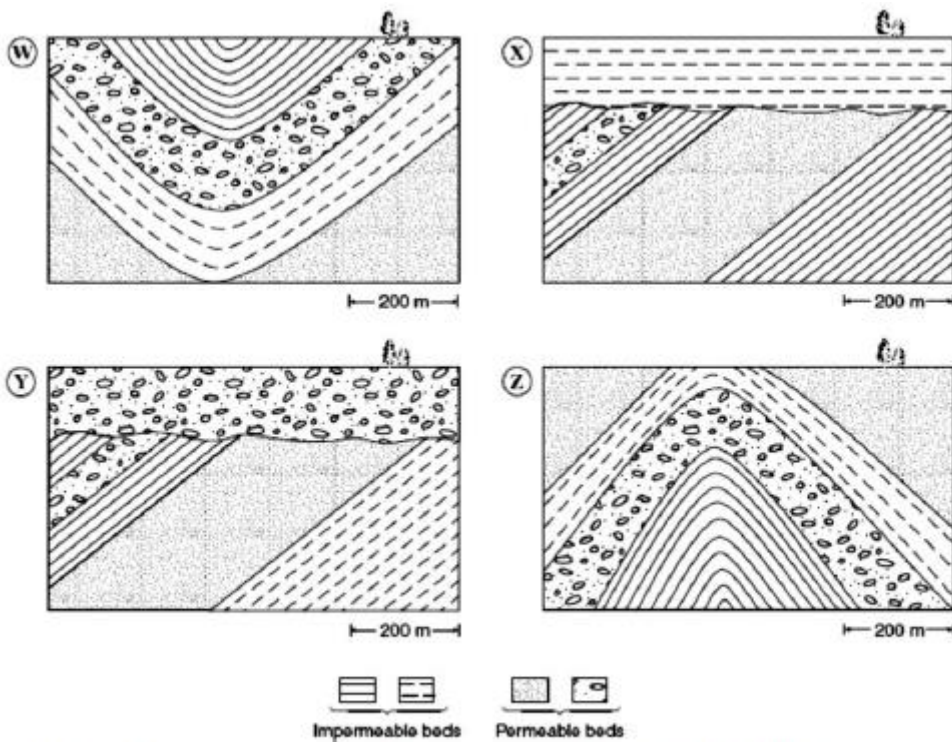
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 two cross sections show possible oil traps?

Options :

1. ✘ W and Z
2. ✘ X and Y
3. ✘ W and Y
4. ✔ X and Z

Question Number : 73 Question Id : 27028217939 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 correct lithological order from the bottom to top in an ophiolite sequence is :

Options :

1. ✘ Layered peridotite-Sheeted dyke-Gabbro-Pillow basalt
2. ✘ Layered peridotite gabbro-Pillow basalt- Sheeted dyke
3. ✔ Layered peridotite-Gabbro-Sheeted dyke -Pillow basalt
4. ✘ Gabbro-Layered peridotite-Sheeted dyke-Pillow basalt

Question Number : 74 Question Id : 27028217940 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 mineral deposits in column A with their geographic distribution in column B

Column A

1. Barite
2. Copper
3. Phosphorite
4. Magnetite

Column B

- A. Jhamarkotra
- B. Mangampeta
- C. Kudermukh
- D. Malanjkhand
- E. Rampura-Agucha

Options :

1. ✔ 1-B, 2-D, 3-A, 4-C
2. ✘ 1-E, 2-D, 3-A, 4-B

3. ✘ 1-A, 2-B, 3-C, 4-D

4. ✘ 1-E, 2-A, 3-D, 4-B

Question Number : 75 Question Id : 27028217941 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 statement is wrong?

Options :

1. ✘ Removal of alkali feldspar leads to Ba depletion because this mineral concentrates Ba

2. ✘ Removal of augite leads to Sc depletion because this mineral concentrates Sc

3. ✘ Removal of plagioclase leads to Sr depletion because this mineral concentrates Sr

4. ✔ Removal of olivine leads to Cu depletion because this mineral strongly concentrates Cu

Question Number : 76 Question Id : 27028217942 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 sandstone bed dipping 30° has an outcrop width of 18 m in a flat terrain. What would be the true thickness (in m) of the bed?

Options :

1. ✘ 5.4

2. ✘ 8.5

3. ✔ 9

4. ✘ 9.5

Question Number : 77 Question Id : 27028217943 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 grain size of a sedimentary rocks was measured -12 in ϕ -Scale? The average grain size another sedimentary rocks was measured +12 in ϕ -Scale. Which of the grain is bigger?

Options :

1. ✔ -12

2. ✘ +12

3. ✘ Grain size is independent of any such size classes
4. ✘ None of the above

Question Number : 78 Question Id : 27028217944 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No

Correct Marks : 2 Wrong Marks : 0

Flow of Groundwater through saturated aquifer is

Options :

1. ✔ Proportional to the difference in hydraulic head & Inversely proportional to the length of the aquifer unit
2. ✘ Inversely proportional to the length of the aquifer unit
3. ✘ Proportional to the difference in hydraulic head
4. ✔ All of these

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 : 79 Question Id : 27028217945 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

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

Correct Marks : 2 Wrong Marks : 0

Neutron Log of a borehole mark a variable rock at a particular depth by showing the small part of the neutron reflected for the detector. It indicates the rock is:

Options :

1. ✘ Compact and dense
2. ✘ Crystalline
3. ✔ Porous
4. ✘ Magnetic

Question Number : 80 Question Id : 27028217946 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 the true dip direction of a bed is $N35^{\circ}E$, the strike direction of that bed will be:

Options :

1. ✘ $N35^{\circ}W$
2. ✔ $N55^{\circ}W$

3. ✘ S35⁰E

4. ✘ S55⁰W

Question Number : 81 Question Id : 27028217947 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 rocks with _____ textures, the larger phenocrysts are embedded in an aphanitic groundmass composed largely of microcrystalline, cryptocrystalline or glassy material.

Options :

1. ✔ Porphyritic

2. ✘ Poikiltic

3. ✘ Spinifex

4. ✘ Pegmamtitic

Question Number : 82 Question Id : 27028217948 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 dip of a fault plane is 55 degree, then the Hade will be

Options :

1. ✓ 90-55

2. ✗ 90+55

3. ✗ It has no relation with dip of the fault plane

4. ✗ None of the above

Question Number : 83 Question Id : 27028217949 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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/are true about igneous rocks?

Options :

1. ✓ Igneous rocks are classified based on texture and mineralogy

2. ✗ A few examples of igneous rocks are granite, quartzite, slate and basalt

3. ✓ Igneous rocks are formed by cooling of molten magma

4. ✘ All of these

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 : 84 Question Id : 27028217950 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 statement is incorrect for schist and gneissic rocks?

Options :

1. ✘ The very coarse grained minerals in both schist and gneisses are called as porphyroblasts

2. ✔ In general, the schistose rocks are more competent than the gneiss in normal condition

3. ✘ The grain size of the minerals in gneiss is relatively coarser and identifiable as compared to the schist

4. ✘ The nomenclature of the gneiss and schist is dependent on the mineralogy and precursor rocks

Question Number : 85 Question Id : 27028217951 Question Type : MCQ Option Shuffling : No

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

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

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

No

Correct Marks : 2 Wrong Marks : 0

Choose the correct order of the minerals according to their increasing order of hardness

Options :

1. ✘ Graphite → Calcite → Quartz → Hematite
2. ✘ Calcite → Graphite → Quartz → Hematite
3. ✔ Graphite → Calcite → Hematite → Quartz
4. ✘ Graphite → Hematite → Calcite → Quartz

Question Number : 86 Question Id : 27028217952 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 case of sinuous channels due to high sinuosity, the large meanders of river channels usually cut across their bends forming a straight channel and leaving behind the meander which is called _____.

Options :

1. ✘ Delta
2. ✘ Braided channel

3. ✘ Point Bar

4. ✔ Oxbow Lake

**Question Number : 87 Question Id : 27028217953 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No**

Correct Marks : 2 Wrong Marks : 0

High temperature, High pressure Quartz is

Options :

1. ✘ Trydymite

2. ✘ Alpha quartz

3. ✔ Coesite

4. ✘ Cristobalite

**Question Number : 88 Question Id : 27028217954 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No**

Correct Marks : 2 Wrong Marks : 0

Igneous rocks with $[Al/(Ca-1.67P+Na+K)] > 1$ are called as

Options :

1. ✘ Peralkaline rocks
2. ✘ Alkaline rocks
3. ✔ Peraluminous rocks
4. ✘ Metaluminous rocks

Question Number : 89 Question Id : 27028217955 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 stratigraphic horizons/units does not host any BIF?

Options :

1. ✘ Dharwar Craton
2. ✘ Singhbhum Craton
3. ✔ Deccan Traps
4. ✘ Bastar Craton

Question Number : 90 Question Id : 27028217956 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No

Correct Marks : 2 Wrong Marks : 0

Stromatolites are found in which stratigraphic units of the Cuddapah Supergroup

Options :

1. ✘ Tadpatri Formation
2. ✘ Cumbum Formation
3. ✔ Vampalle Formation
4. ✘ Pullampet Formation

Question Number : 91 Question Id : 27028217957 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No

Correct Marks : 2 Wrong Marks : 0

Glacial deposits are characterized by

Options :

1. ✔ Ill-sorted nature

2. ✘ Well sorted nature
3. ✘ Fine grained in nature
4. ✘ None of these

Question Number : 92 Question Id : 27028217958 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Etched, pitted and rugged surfaces exposed in the limestone terrain are known as

Options :

1. ✘ Terra rossa
2. ✔ Lapies
3. ✘ Sink holes
4. ✘ Pepino

Question Number : 93 Question Id : 27028217959 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On

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

Correct Marks : 2 Wrong Marks : 0

Shallow focus earthquake zones and chains of submerged mountains are observed along

Options :

1. ✘ Island arcs
2. ✘ Subduction zones
3. ✘ Transform fault
4. ✔ Mid-oceanic ridge

Question Number : 94 Question Id : 27028217960 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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/are conditional for the formation of Coral Reefs?

1. The temperature of the water should be below 20°C.
2. Shallow water having a depth less than 50 m.

Select the correct code from the options given below:

Options :

1. ✘ Only 1
2. ✔ Only 2

3. ✘ Both 1 & 2

4. ✘ Neither 1 & 2

**Question Number : 95 Question Id : 27028217961 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No**

Correct Marks : 2 Wrong Marks : 0

Seawater at 15°C and 35 PSU salinity would have the same density as seawater

Options :

1. ✔ at 21°C and salinity 37 PSU

2. ✘ at 14°C and salinity 37 PSU

3. ✘ at 21°C and salinity 34 PSU

4. ✘ at 15°C and salinity 37 PSU

**Question Number : 96 Question Id : 27028217962 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 statement (s) is/are correct about El Nino?

Options :

1. ✘ The term El Niño translates from Spanish as 'the boy-child'
2. ✘ Peruvian fishermen originally used the term to describe the appearance, around Christmas, of a warm ocean current off the South American coast
3. ✘ It is now the commonly accepted term to describe the warming of the central and eastern tropical Pacific Ocean
4. ✔ All of the above

Question Number : 97 Question Id : 27028217963 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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) Coral aragonite water | A. Intense upwelling of phosphate rich |
| (ii) Phosphorite nodules productivity | B. Clear waters rich in biological |
| (iii) Fe-Mn oxide deposits water | C. Oxygen poor hydrothermal vent |
| (iv) Massive sulphide deposits | D. Deep oxic water |

Options :

1. ✘ (i) - A, (ii) - B, (iii) - D, (iv) - C

2. ✘ (i) - A, (ii) - B, (iii) - C, (iv) - D

3. ✔ (i) - B, (ii) - A, (iii) - D, (iv) - C

4. ✘ (i) - B, (ii) - A, (iii) - C, (iv) - D

Question Number : 98 Question Id : 27028217964 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 features of the Indian summer monsoon circulation is FALSE?

Options :

1. ✘ The Somali Jet is centred at a height of 1.5 km

2. ✔ The Tropical Easterly Jet originates from the Mascarene high

3. ✘ The Subtropical Westerly Jet is climatologically located at 25°N

4. ✘ The Tropical Easterly Jet is normally located between 12°N and 15°N over India

Question Number : 99 Question Id : 27028217965 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On

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

Correct Marks : 2 Wrong Marks : 0

Identify the CORRECT statement about cyclones:

Options :

1. ✘ High speed winds circulate around a high-pressure region
2. ✘ The coastline of India is not vulnerable to cyclones
3. ✔ The wind direction is clockwise in southern hemisphere and anticlockwise in northern hemisphere
4. ✘ The wind direction is clockwise in both hemispheres

Question Number : 100 Question Id : 27028217966 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 true regarding types of Data used in GIS?

Options :

1. ✘ Interval Data and Ratio data measures quantity hence are Quantitative Data
2. ✘ In Ratio Data, numbers can be compared as multiples of one other

Interval Data is measured along a scale in which each position is equidistant

3. ✘ from one another

4. ✔ All of the above

Question Number : 101 Question Id : 27028217967 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 system that uses the Sun as a source of electromagnetic energy and records the naturally radiated and reflected energy from the object is called

Options :

1. ✘ Geographical Information System

2. ✘ Global Positioning System

3. ✔ Passive Remote Sensing

4. ✘ Active Remote Sensing

Question Number : 102 Question Id : 27028217968 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 are the numbers of orbital planes and satellites in one orbit for a GPS, respectively?

Options :

1. ✓ Six and Four
2. ✗ Twenty-four and Six
3. ✗ Three and Four
4. ✗ Four and Twenty-eight

Question Number : 103 Question Id : 27028217969 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

LIDAR used in Remote sensing stands for:

Options :

1. ✗ Low-intensity development and ranging
2. ✗ Luminiscence detection and ranging
3. ✓ Light detection and ranging
4. ✗

Low-intensity detection and ranging

**Question Number : 104 Question Id : 27028217970 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 statement is correct with respect to the Savanna Climate?

1. Savanna climate has alternate wet and dry seasons
2. It is known for commercial grain farming
3. Bushmen tribes who inhabit the savanna region are pastoralists

Options :

1. ✓ 1 only
2. ✗ 2 and 3 only
3. ✗ 1 and 3 only
4. ✗ 1, 2 and 3

**Question Number : 105 Question Id : 27028217971 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 are sequentially arranged?

- A. Stratosphere - Stratopause - Troposphere
- B. Stratopause - Mesosphere - Mesopause
- C. Mesosphere - Mesopause - Thermosphere

Options :

- 1. ✘ Only A
- 2. ✘ Only A and B
- 3. ✔ Only B and C
- 4. ✘ A, B and C

Question Number : 106 Question Id : 27028217972 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Tropical cyclones form mostly on the western margins of the oceans and don't form in the eastern tropical oceans. What is the reason?

Options :

- 1. ✔ The cold currents lower the surface temperatures of the eastern parts of the tropical oceans
- 2. ✘ Coriolis force is too weak on eastern tropical oceans

3. ✘ Absence of oceanic current in eastern tropical oceans

4. ✘ Inter-tropical Convergence Zone seldom occurs near eastern tropical oceans

Question Number : 107 Question Id : 27028217973 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 atmospheric layer contains Ions and helps in wireless communication?

Options :

1. ✘ Mesosphere

2. ✔ Thermosphere

3. ✘ Troposphere

4. ✘ Stratosphere

Question Number : 108 Question Id : 27028217974 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Great Bear' is the name of a:

Options :

1. ✘ Galaxy
2. ✘ Moon
3. ✔ Constellation
4. ✘ Star

Question Number : 109 Question Id : 27028217975 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 occurrence of season on Earth is due to the fact that:

Options :

1. ✔ The earth's axis is tilted
2. ✘ The rotation rate of earth changes during the year
3. ✘ The earth's axis points in different directions during the year
4. ✘ The earth is closer to the sun during summers

**Question Number : 110 Question Id : 27028217976 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 name is given to 180° longitude due to the spherical shape of the Earth?

Options :

1. ✘ Greenwich line

2. ✘ Equator

3. ✔ International date line

4. ✘ Capricorn line

**Question Number : 111 Question Id : 27028217977 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 Soil types (List I) and their characteristics (List II)

List I (Soil Type)

List II (Characteristics)

1. Aridisols

A. Dry soil

2. Ultisols

B. Soils in areas of permafrost

3. Gelisols

C. Soils that have had the last of their nutrient bases leached out

4. Mollisols

D. Soft soil

How many of the pairs given above is/are correctly matched?

Options :

1. ✘ 1

2. ✔ 2

3. ✘ 3

4. ✘ 4

Question Number : 112 Question Id : 27028217978 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 ____ in India are generally known as 'Tidal Forests'.

Options :

1. ✘ desert forests

2. ✘ mountain forests

3. ✘ dry lands

4. ✔ wetlands

**Question Number : 113 Question Id : 27028217979 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No**

Correct Marks : 2 Wrong Marks : 0

What is the main difference between a dam and weir?

Options :

1. ✔ Height and Duration of Storage

2. ✘ Capacity of Water

3. ✘ Material used for Construction

4. ✘ Location of the Structure

**Question Number : 114 Question Id : 27028217980 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 Mohr's theory of failure can be symbolically expressed as _____

Options :

1. ✓ $\tau_{\max} = F(\sigma_n)$ and $\sigma_{\max} - \sigma_{\min} = f(\sigma_{\max} + \sigma_{\min})$
2. ✗ $\tau_{\max} = \sigma_{\max} - \sigma_{\min}$
3. ✗ None of the mentioned
4. ✗ All of the mentioned

Question Number : 115 Question Id : 27028217981 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 yield or failure criterion can be expressed as _____

Options :

1. ✗ $f(I_1, I_2) = 0$
2. ✓ $f(I_1, I_2, I_3) = 0$
3. ✗ $f(\sigma_1, \sigma_2, \sigma_3) = 0$
4. ✗ $f(\sigma_{\max} + \sigma_{\min})$

Question Number : 116 Question Id : 27028217982 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 electromagnetic methods in the decreasing order of depth of investigation.

- P) Time domain EM method
- Q) Magnetotelluric method
- R) VLF method
- S) Ground Penetrating Radar method

Options :

1. ✘ $P > Q > S > R$

2. ✘ $S > Q > P > R$

3. ✔ $Q > P > R > S$

4. ✘ $Q > R > P > S$

Question Number : 117 Question Id : 27028217983 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 in Group I with those of Group II.

Group I

P) Electrical Method

Q) Magnetic Method

R) Gravity Method

S) Seismic Method

Group II

1) Density

2) Velocity

3) Resistivity

4) Susceptibility

5) Dielectric Permittivity

Options :

1. ✘ P - 3 ; Q - 2 ; R - 5 ; S - 1

2. ✔ P - 3 ; Q - 4 ; R - 1 ; S - 2

3. ✘ P - 3 ; Q - 4 ; R - 2 ; S - 1

4. ✘ P - 5 ; Q - 4 ; R - 3 ; S - 2

Question Number : 118 Question Id : 27028217984 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 mineral deposits (listed in Group I) with the most appropriate geophysical exploration methods (listed in Group II)

Group I

- (P) Mineralized conductive veins
- (Q) Disseminated sulphides
- (R) Massive barytes
- (S) Kimberlite pipes

Group II

- (1) Gravity
- (2) Magnetic
- (3) Induced Polarization
- (4) Resistivity profiling
- (5) Low frequency Magnetotellurics

Options :

- 1. ✘ P-4; Q-3; R-1; S-5
- 2. ✘ P-2; Q-1; R-4; S-5
- 3. ✘ P-5; Q-1; R-4; S-3
- 4. ✔ P-4; Q-3; R-1; S-2

Question Number : 119 Question Id : 27028217985 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

As compared to large earthquakes, small earthquakes are:

Options :

- 1. ✘ more frequent and caused by short fault slip and long rupture lengths
- 2. ✘ more frequent and caused by long fault slip and short rupture lengths

3. ✘ less frequent and caused by short fault slip and short rupture lengths
4. ✔ more frequent and caused by short fault slip and short rupture lengths

Question Number : 120 Question Id : 27028217986 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 type of well logs (listed in Group I) with the characteristics of measurement (listed in Group II).

Group I

- (P) Dipmeter
- (Q) Neutron
- (R) SP
- (S) Sonic

Group II

- (1) Hydrogen concentration in pores
- (2) Velocity of compressional waves
- (3) Correlation of resistivity changes
- (4) Natural radioactivity
- (5) Natural electric potential

Options :

1. ✔ P – 3; Q – 1; R – 5; S – 2
2. ✘ P – 4; Q – 1; R – 5; S – 3
3. ✘ P – 3; Q – 4; R – 5; S – 2
4. ✘ P – 3; Q – 1; R – 4; S – 2

Question Number : 121 Question Id : 27028217987 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 (Deposits)

1. Copper.
2. Gold.
3. Silver.
4. Lead-zinc.

II (Pathfinders)

- i. Arsenic.
- ii. Mercury.
- iii. Molybdenum
- iv. Antimony.

Options :

1. ✘ 1-ii, 2-iii, 3-iv, 4-i

2. ✔ 1-iii, 2-i, 3-iv, 4-ii

3. ✘ 1-i, 2-ii, 3-iii, 4-iv

4. ✘ 1-iii, 2-ii, 3-i, 4- ii

Question Number : 122 Question Id : 27028217988 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 the elephant fossil in Siwallik?

Options :

1. ✘ Physa
2. ✔ Brahmapihceus
3. ✘ Sivapihceus
4. ✘ Turritella

Question Number : 123 Question Id : 27028217989 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 Eparchean Unconformity?

Options :

1. ✘ Disconformity between Archean and Proterozoic
2. ✔ Unconformable boundary between Archean and Proterozoic
3. ✘ A non-conformity boundary between Archean and Phanerozoic
4. ✘ Unconformable boundary between Proterozoic and Phanerozoic

Question Number : 124 Question Id : 27028217990 Question Type : MCQ Option Shuffling : No

**Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 exact sequence of coalification is:

Options :

1. ✘ Peat-Lignite-Anthracite-Bituminous
2. ✘ Bituminous- Peat-Lignite – Anthracite
3. ✘ Anthracite-Bituminous –Lignite- Peat
4. ✔ Peat- Lignite-Bituminous –Anthracite

**Question Number : 125 Question Id : 27028217991 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 principal mineral constituent of drilling mud is:

Options :

1. ✘ Bauxite
2. ✔ Barytes

3. ✘ Corundum

4. ✘ Beryl

**Question Number : 126 Question Id : 27028217992 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 drainage pattern which shows a lack of structural control to the stream-flow direction is described as:

Options :

1. ✘ Parallel

2. ✔ Dendritic

3. ✘ Rectangular

4. ✘ Trellis

**Question Number : 127 Question Id : 27028217993 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No**

Correct Marks : 2 Wrong Marks : 0

Lignite deposits of India are associated with:

Options :

1. ✘ Rajmahal traps
2. ✘ Jabalpur traps
3. ✘ Barakar sandstone
4. ✔ Cuddalore sandstone

Question Number : 128 Question Id : 27028217994 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 limestone composed entirely of organic detritus is termed as:

Options :

1. ✔ Coquina
2. ✘ Encrinites
3. ✘ Spengenite
4. ✘ Oolite

Question Number : 129 Question Id : 27028217995 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 impermeable formation that neither contains nor transmits water is called:

Options :

1. ✘ Aquifer
2. ✘ Aquiclude
3. ✔ Aquifuge
4. ✘ Aquitard

Question Number : 130 Question Id : 27028217996 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 types of rocks are characteristically associated with high pressure - low temperature belts:

Options :

1. ✘ Garnet- Mica Schist

2. ✓ Blue Schist

3. ✗ Hornfels

4. ✗ Migmatites

**Question Number : 131 Question Id : 27028217997 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 conventional reserve estimation method?

Options :

1. ✗ Triangular

2. ✓ Kriging

3. ✗ Contour

4. ✗ Cross-sections

**Question Number : 132 Question Id : 27028217998 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 the chrome-bearing mica variety?

Options :

1. ✘ Rubellite
2. ✘ Roscoelite
3. ✘ Phengite
4. ✔ Fuchsite

Question Number : 133 Question Id : 27028217999 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 of the transverse strain to axial strain is called:

Options :

1. ✘ Modulus of rigidity
2. ✘ Bulk Modulus
3. ✘ Rigidity modulus

4. ✓ Poisson's ratio

Question Number : 134 Question Id : 27028218000 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 gastropods is planispirally coiled?

Options :

1. ✗ Turritella

2. ✗ Murex

3. ✗ Pleurotomaria

4. ✓ Bellerophon

Question Number : 135 Question Id : 27028218001 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No
Correct Marks : 2 Wrong Marks : 0

Disappearance of Rugose Corals took place during?

Options :

1. ✓ Permian
2. ✗ Triassic
3. ✗ Jurassic
4. ✗ Cretaceous

Question Number : 136 Question Id : 27028218002 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 Crystallography there are

Options :

1. ✓ 6 systems-14 Space lattices-32 classes-230 space groups
2. ✗ 6 systems-32 Space lattices-14 classes-160 space groups
3. ✗ 6 systems-8 space lattices-20 classes-200 space groups
4. ✗ 6-systems-12 space lattices-32 classes-14 space groups

Question Number : 137 Question Id : 27028218003 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 mineral pairs calcite & aragonite and diamond & graphite are examples of

Options :

1. ✘ Isomorphs
2. ✘ Pseudomorphs
3. ✔ Polymorphs
4. ✘ Polytypes

Question Number : 138 Question Id : 27028218004 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 and choose the correct answer

- | | |
|----------------|--|
| A. Charnockite | I. Sillimanite+Qtz+ Feld+garnet |
| B. Khondalite | II. Qtz+ Perthite+K-Feld+Hyp |
| C. Blue Schist | III. Hornblende+Plg. |
| D. Amphibolite | IV. Glaucophane+ Jadeite+ Soda amphibole |

Options :

1. ✓ A-II, B-I, C-IV, D-III

2. ✗ A-I, B-II, C-III, D-IV

3. ✗ A-II, B-IV, C-I, D-III

4. ✗ A-I, B-IV, C-II, D-III

Question Number : 139 Question Id : 27028218005 Question Type : MCQ Option Shuffling : No

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

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 mineral/hydrocarbon resource locations:

RESOURCE

A) Barytes

B) Gold

C) Hydrocarbons

D) Lead

LOCATION

I) Hutti

II) Pulivendula

III) Sargipalli

IV) Digboi

Options :

1. ✗ A-I, B-II,C-III, D-IV

2. ✓ A-II, B-I, C-IV, D-III

3. ✗ A-II, B-III, C-I, D-IV

4. ✘ A-IV, B-III, C-II, D-I

Question Number : 140 Question Id : 27028218006 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 a non-radioactive isotope of lead?

Options :

1. ✔ Pb^{204}

2. ✘ Pb^{206}

3. ✘ Pb^{207}

4. ✘ Pb^{208}

Question Number : 141 Question Id : 27028218007 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No
Correct Marks : 2 Wrong Marks : 0

According to Darcy's law, infiltration index is:

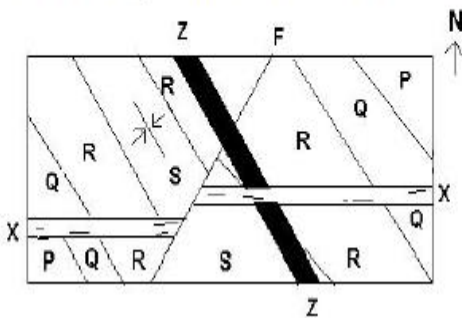
Options :

1. ✓ Directly proportional to head gradient
2. ✗ Inversely proportional to head gradient
3. ✗ Unrelated to the head gradient
4. ✗ None of the above

Question Number : 142 Question Id : 27028218008 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Below given figure illustrates an outcrop pattern on a flat ground. Which one of the following sets of events is arranged in the correct chronological order?



Options :

1. ✗

Intrusion X



Faulting F



Folding



Intrusion Z

Intrusion Z



Folding



Intrusion X



2. ✘ Faulting F

Folding



Intrusion Z



Faulting F



3. ✘ Intrusion X

Folding



Intrusion X



Faulting F



4. ✔ Intrusion Z

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

PROPERTY

- A) Hardness
- B) High Specific gravity
- C) Combustibility
- D) Elasticity

MINERAL

- I) Galena
- II) Mica
- III) Kyanite
- IV) Sulphur

Options :

1. ✘ A-I, B-II, C-III, D-IV

2. ✔ A-III, B-I, C-IV, D-II

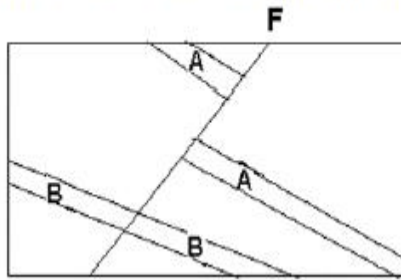
3. ✘ A-II, B-III, C-I, D-IV

4. ✘ A-IV, B-III, C-II, D-I

Question Number : 144 Question Id : 27028218010 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 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 statements regarding the map pattern shown in the figure below:



Options :

1. ✘ Bed A is inclined
2. ✘ Bed B is vertical
3. ✔ F is an oblique slip fault
4. ✘ None of the above

Question Number : 145 Question Id : 27028218011 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No

Correct Marks : 2 Wrong Marks : 0

Determine the correctness from the following Assertion (A) and Reason (R).

Assertion: Strontium concentration in a basic magma decreases with fractional crystallization of plagioclase.

Reason: Strontium is a compatible trace element in plagioclase during magmatic crystallization.

Options :

1. ✓ Both (A) and (R) are true and (R) is the correct reason for (A)
2. ✘ (A) is true but (R) is false
3. ✘ (A) is false but (R) is true
4. ✘ Both (A) and (R) are true but (R) is not the correct reason for (A)

**Question Number : 146 Question Id : 27028218012 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No**

Correct Marks : 2 Wrong Marks : 0

Determine the correctness from the following Assertion (A) and Reason (R).

Assertion: Biaxial minerals can be pleochroic in three shades.

Reason: Biaxial minerals have three refractive indices.

Options :

1. ✓ Both (A) and (R) are true and (R) is the correct reason for (A)
2. ✘ (A) is true but (R) is false
3. ✘ (A) is false but (R) is true

4. ✖ Both (A) and (R) are true but (R) is not the correct reason for (A)

Question Number : 147 Question Id : 27028218013 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No

Correct Marks : 2 Wrong Marks : 0

Determine the correctness from the following Assertion (A) and Reason (R).

Assertion: In a well-log survey using fresh-water drilling mud, an oil-bearing sandstone zone can be identified by electrical resistivity and SP logs.

Reason: Oil has high electrical resistivity and the porous nature of sandstone is indicated by negative SP.

Options :

1. ✖ (A) is true but (R) is false

2. ✖ (A) is false but (R) is true

3. ✖ both (A) and (R) are true but (R) is not the correct reason for (A)

4. ✔ both (A) and (R) are true and (R) is the correct reason for (A)

Question Number : 148 Question Id : 27028218014 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On

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

Correct Marks : 2 Wrong Marks : 0

Determine the correctness from the following Assertion (A) and Reason (R).

Assertion (A): High-temperature, low-pressure metamorphism occurs on the over-riding plate near convergent plate margins.

Reason (R): Partial melting in the mantle wedge generates magmas that rise to form the arc.

Options :

1. ✘ (A) is true but (R) is false
2. ✘ (A) is false but (R) is true
3. ✔ Both (A) and (R) are true and (R) is the correct reason for (A)
4. ✘ Both (A) and (R) are true and (R) is not the correct reason for (A)

Question Number : 149 Question Id : 27028218015 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 2 Wrong Marks : 0

Determine the correctness from the following Assertion (A) and Reason (R).

Assertion (A): Deccan Traps are formed by eruption of basaltic magma

Reason (R): Basaltic Magma has low viscosity

Options :

1. ✓ Both (A) and (R) are correct
2. ✘ (A) is correct and (R) is incorrect
3. ✘ Both (A) and (R) are incorrect
4. ✘ (A) is incorrect but (R) is correct

**Question Number : 150 Question Id : 27028218016 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
No**

Correct Marks : 2 Wrong Marks : 0

Under intense pressure and high temperature, hydrogen atoms combine to form helium. This process is called:

Options :

1. ✘ Nuclear fission
2. ✓ Nuclear fusion
3. ✘ Metamorphism
4. ✘ Anatexis