

National Testing Agency

Question Paper Name: Online Refresher course in Earth Science and Allied
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Online Refresher course in Earth Science and Allied

Group Number : 1
Group Id : 90958222
Group Maximum Duration : 0
Group Minimum Duration : 120
Revisit allowed for view? : No
Revisit allowed for edit? : No
Break time: 0
Group Marks: 150

Online Refresher course in Earth Science and Allied

Section Id : 90958222
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 150
Number of Questions to be attempted: 150
Section Marks: 150
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 90958224
Question Shuffling Allowed : Yes

Question Number : 1 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Microfossils are microscopic size fossils of...

- (a) Microorganisms only
- (b) Microscopic part of mega fossils
- (c) Microscopic embryonic or juvenile forms of organisms
- (d) All of the above

Options :

- 1. A
- 2. B
- 3. C

4. D

Question Number : 2 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Microfossils are extremely useful in age-dating, correlation and paleo-environmental reconstruction because of their...

- (a) Better preservation potential
- (b) Wide geographic distribution
- (c) Specific range of stratigraphic distribution
- (d) All of the above

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 3 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Rainwater harvesting should be implemented in

- (a) Waterlogged area
- (b) Canal Command area
- (c) Groundwater depleted area
- (d) Swampy area

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 4 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

For designing rainwater harvesting which parameter is not required

- (a) Catchment area
- (b) Depth to groundwater
- (c) Rainfall intensity
- (d) Population of the area

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 5 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Maximum intake capacity of recharge structure will be in

- (a) Silt
- (b) Massive sandstone
- (c) Sand
- (d) Gravel

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 6 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Most feasible groundwater recharge structure in urban area is

- (a) Percolation Tank
- (b) Recharge well and Recharge Shaft
- (c) Gabbion Structure
- (d) Check Dam

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 7 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which is not suitable and durable groundwater recharge structure in rural area

- (a) Conservation Pond
- (b) Recharge well and Recharge Shaft
- (c) Contour Bunds
- (d) Check Dams

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 8 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Permissible limit of Total Dissolved Solids (TDS) for drinking purpose is

- (a) 200ppm
- (b) 500ppm
- (c) 100ppm
- (d) 1000ppm

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 9 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Source of fluoride in groundwater is

- (a) Calcite
- (b) Quartz
- (c) Beryl
- (d) Fluorite

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 10 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The correct statement from the following is.....

- A. for classroom teaching, progressive tests can be used for summative evaluation
- B. summative evaluation is evaluation of learning.
- C. summative evaluation is evaluation for teaching.
- D. summative evaluation is during the process of teaching and learning.

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 11 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Most suitable instrument for trace and rare earth elements analysis of water is ...

- (a) Atomic Absorption Spectrophotometer
- (b) Mass Spectrophotometer
- (c) Flame Photometer
- (d) Spectrophotometer

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 12 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Higher concentration of arsenic in groundwater causes ...

- (a) Fluorosis
- (b) Gastrointestinal problem
- (c) Skin Cancer
- (d) Osteoporosis

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 13 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Buffer capsules of which pH are used to calibrate the pH meter

- (a) 2 and 3
- (b) 5 and 6
- (c) 4 and 7
- (d) 6 and 7

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 14 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which reagent solution is used to determine the fluoride concentration using field kit?

- (a) F12
- (b) F10
- (c) F05
- (d) F15

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 15 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Groundwater is not sustainable during peak demand in

- (a) Soft rock area
- (b) Hard rock area
- (c) Hilly area
- (d) Valley area

Options :

- 1. A
- 2. B
- 3. C

4. D

Question Number : 16 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Major source for drinking water in hilly area is

- (a) Open well
- (b) Hand Pump
- (c) Tube well
- (d) Spring

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 17 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

X-rays have larger wavelengths than which of the following?

- (a) Gamma rays
- (b) Beta rays
- (c) Microwave
- (d) Visible light

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 18 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Minimum inter-planar spacing required for Bragg's diffraction is?

- (a) $\lambda/4$
- (b) $\lambda/2$
- (c) λ
- (d) 2λ

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 19 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The relation $2d\sin\theta = n\lambda$ is called?

- (a) Bragg law
- (b) Curies law
- (c) Coulombs law
- (d) Moseley's law

Options :

1. A
2. B
3. C
4. D

Question Number : 20 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Wavelength of X-Rays can be varied in which of the following methods of diffraction?

- (a) Rotating crystal method
- (b) Powder method
- (c) Laue method
- (d) None of these

Options :

1. A
2. B
3. C
4. D

Question Number : 21 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Extrusive rocks are also known as

- (a) Sediments
- (b) Molasses
- (c) Volcanic rocks
- (d) Plutonic rocks

Options :

1. A
2. B
3. C
4. D

Question Number : 22 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following period has the longest time duration?

- (a) Ordovician
- (b) Cretaceous
- (c) Jurassic
- (d) Silurian

Options :

1. A
2. B
3. C
4. D

Question Number : 23 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one of the following is Brown coal?

- (a) Anthracite
- (b) Bituminous coal
- (c) Lignite
- (d) Peat

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 24 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Match the parameters listed in Group I with the units listed in Group II.

Group I

- P. Hydraulic conductivity
- Q. Permeability
- R. Viscosity
- S. Hydraulic head

Group II

- 1. Newton sec./m²
- 2. m/sec.
- 3. m
- 4. m²

- (a) P-2; Q-4; R-1; S-3
- (b) P-1; Q-2; R-4; S-3
- (c) P-2; Q-4; R-3; S-1
- (d) P-4; Q-2; R-1; S-3

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 25 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In remote sensing, land-water contrast is best identified in _____ wavelength band.

- (a) Ultraviolet
- (b) Near IR
- (c) Middle IR
- (d) Thermal IR

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 26 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

It takes approximately _____ minutes for sunlight to reach the Earth

- (a) 7 to 7.3
- (b) 8 to 8.3
- (c) 9 to 9.3
- (d) 10 to 10.3

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 27 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The acceleration due to gravity, 'g' is maximum at

- (a) Equator
- (b) Poles
- (c) Mid-Latitudes
- (d) Sub-tropical Regions

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 28 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which type of wave arrives first at a station from an earthquake hypocenter?

- (a) P-wave
- (b) S-wave
- (c) Rayleigh wave
- (d) Love wave

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 29 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is a type of dam?

- (a) Anchor
- (b) Shot Crete
- (c) Geogrid
- (d) Buttress

Options :

- 1. A
- 2. B

3. C

4. D

Question Number : 30 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Intrusive rocks are also known as

- (a) Sediments
- (b) Molasses
- (c) Volcanic rocks
- (d) Plutonic rocks

Options :

1. A

2. B

3. C

4. D

Question Number : 31 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following river systems form the largest fluvio-deltaic system in world?

- (a) Mississippi–Ohio
- (b) Red–Mekong
- (c) Ganga–Brahmaputra
- (d) Yellow–Ba Hoi

Options :

1. A

2. B

3. C

4. D

Question Number : 32 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following gases has the highest contribution towards greenhouse effect on the Earth?

- (a) CO₂
- (b) CO
- (c) CH₄
- (d) H₂O Vapour

Options :

1. A

2. B

3. C

4. D

Question Number : 33 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one of these is not a source of sufficient water supply but can transmit certain quantity of water on a regional scale due to leakage?

- (a) Aquifer
- (b) Aquitard
- (c) Aquiclude
- (d) Aquifuge

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 34 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following basins is producing petroleum from coal-rich reservoir rocks?

- (a) Rajasthan Basin
- (b) Cambay Basin
- (c) Cauvery Basin
- (d) Krishna–Godavari Basin

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 35 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Hardest mineral in the Mohs's scale of hardness is

- (a) Corundum
- (b) Topaz
- (c) Quartz
- (d) Diamond

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 36 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following lithostratigraphic units host lignite at Neyveli?

- (a) Ariyalur Formation
- (b) Cuddalore Formation
- (c) Kamthi Beds
- (d) Pali Beds

Options :

- 1. A
- 2. B

3. C

4. D

Question Number : 37 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is the first Indian satellite?

- (a) Rohini
- (b) Bhasker
- (c) INSAT-1
- (d) Aryabhata

Options :

1. A

2. B

3. C

4. D

Question Number : 38 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Most abundant element in the crustal rocks, is ...

- (a) Silicon
- (b) Oxygen
- (c) Iron
- (d) Calcium

Options :

1. A

2. B

3. C

4. D

Question Number : 39 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

It is **NOT** the responsibility of examination cell or office of controller of exams of the University to.....

- A. develop the question paper format for each course
- B. develop the specification table for each course
- C. ensure editing and moderation of question papers
- D. ensure that provision for students with special needs are made

Options :

1. A

2. B

3. C

4. D

Question Number : 40 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

As per the latest radiometric dating, what is the most acceptable age of Earth?

- (a) 4.00 billion years
- (b) 4.20 billion years
- (c) 4.45 billion years
- (d) 4.60 billion years

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 41 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Maximum diversity of reptiles was during

- (a) Jurassic
- (b) Ordovician
- (c) Triassic
- (d) Cretaceous

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 42 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A map that shows surface features of Earth is known as

- (a) Topographic map
- (b) Elementary map
- (c) Cylindrical map
- (d) Azimuthal map

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 43 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Types of maps includes

- (a) Thematic Maps
- (b) Resource or Economic Maps
- (c) Political Maps
- (d) All of Above

Options :

- 1. A
- 2. B

3. C

4. D

Question Number : 44 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

North arrow on maps shows

- (a) Where south is on map
- (b) Where west is on map
- (c) Where north is on map
- (d) Where east is on map

Options :

1. A

2. B

3. C

4. D

Question Number : 45 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Boundary between the saturated zone and the unsaturated zone is called

- (a) water table
- (b) aquifer
- (c) aquiclude
- (d) porosity

Options :

1. A

2. B

3. C

4. D

Question Number : 46 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which dating technique is based on the patterns of tree-ring growth?

- (a) Radiocarbon dating
- (b) Fission-track dating
- (c) Paleomagnetic dating
- (d) Dendrochronology

Options :

1. A

2. B

3. C

4. D

Question Number : 47 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Full form of ICP-MS is

- (a) Inductively Combined Plasma Mass Spectrometry
- (b) Inductively Coupled Plasma Mass Spectrometry
- (c) Inductively Coupled Plasma Mass Space
- (d) Inductively Complex Plasma Mass Spectrometry

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 48 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Biogas plants using cattle dung are called:

- (a) Hydel plants
- (b) Gobar gas plants
- (c) Thermal power station
- (d) Gas station

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 49 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which mineral is used for generating atomic or nuclear power?

- (a) Coal
- (b) Bauxite
- (c) Uranium
- (d) Copper

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 50 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Koderma-Gaya-Hazaribagh belt of Jharkhand is a leading producer of:

- (a) Copper
- (b) Manganese
- (c) Iron ore
- (d) Mica

Options :

- 1. A
- 2. B

3. C

4. D

Question Number : 51 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In order to take decisions the systematic process of collecting and analyzing data is called as.....

- A. Evaluation
- B. Measurement
- C. Assessment
- D. Testing

Options :

1. A

2. B

3. C

4. D

Question Number : 52 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following radioactive isotopes has the longest half-life?

- (a) Rubidium-87
- (b) Potassium-40
- (c) Carbon-14
- (d) Uranium-238

Options :

1. A

2. B

3. C

4. D

Question Number : 53 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following radioactive isotopes has the shortest half-life?

- (a) Rubidium-87
- (b) Potassium-40
- (c) Carbon-14
- (d) Uranium-238

Options :

1. A

2. B

3. C

4. D

Question Number : 54 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Uranium-238 decays to which of the following daughter isotopes?

- (a) Rubidium-87
- (b) Uranium-235
- (c) Lead-206
- (d) Nitrogen-14

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 55 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Plan table surveying uses the methodology of:

- (a) Triangulation
- (b) Contouring
- (c) Ranging
- (d) Traversing

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 56 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A plumbing fork is used to _____ the plane table.

- (a) Focus
- (b) Centre
- (c) Orient
- (d) Level

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 57 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

GIS stands for

- (a) Geographic Information System
- (b) Generic Information System
- (c) Geological Information System
- (d) Geographic Information Sharing

Options :

- 1. A
- 2. B

3. C

4. D

Question Number : 58 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Quarries are generally

- (a) Open pits
- (b) Surface coal mines
- (c) Underground mines
- (d) Explosive mines

Options :

1. A

2. B

3. C

4. D

Question Number : 59 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Types of surface mining include

- (a) Open pits only
- (b) Surface coal mines only
- (c) Quarries only
- (d) All three of them

Options :

1. A

2. B

3. C

4. D

Question Number : 60 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Hydrographic surveys deal with the mapping of

- (a) Large water bodies
- (b) Heavenly bodies
- (c) Mountainous region
- (d) Movement of clouds

Options :

1. A

2. B

3. C

4. D

Question Number : 61 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

An imaginary line joining the points of equal elevation on surface of Earth, represents

- (a) Level line
- (b) Contour line
- (c) Contour gradient
- (d) Contour surface

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 62 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A bearing of a line is also known as

- (a) Magnetic bearing
- (b) True bearing
- (c) Azimuth
- (d) Reduced bearing

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 63 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The main principle of surveying is to work

- (a) From part to the whole
- (b) From whole to the part
- (c) From higher level to the lower level
- (d) From lower level to higher level

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 64 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

For the construction of highway or railway

- (a) Longitudinal sections are required
- (b) Cross sections are required
- (c) Both longitudinal and cross sections are required
- (d) None of these

Options :

- 1. A
- 2. B

3. C

4. D

Question Number : 65 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The property of a mineral by virtue of which it can be cut with a knife is

- (a) Parting
- (b) Sectile
- (c) Malleable
- (d) Ductile

Options :

1. A

2. B

3. C

4. D

Question Number : 66 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Mica is

- (a) Flexible
- (b) Rigid
- (c) Flexible and elastic
- (d) Elastic

Options :

1. A

2. B

3. C

4. D

Question Number : 67 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

When the mineral occurs in flattened or square form, it is called

- (a) Tabular
- (b) Elongated
- (c) Batroidal
- (d) Box

Options :

1. A

2. B

3. C

4. D

Question Number : 68 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Example for elongated structure is

- (a) Calcite
- (b) Beryl
- (c) Orthoclase
- (d) Barite

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 69 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Kyanite shows which form?

- (a) Columnar
- (b) Elongated
- (c) Bladed
- (d) Tabular

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 70 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The SI unit of specific gravity is

- (a) Ohm
- (b) g/cc
- (c) N/cc
- (d) No unit

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 71 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Geochemical prospecting is concerned primarily with the examination of the

- (a) Rocks and waters.
- (b) Waters and gases.
- (c) Rocks only.
- (d) Rocks, waters and gases.

Options :

1. A
2. B
3. C
4. D

Question Number : 72 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Lead and iron are immobile in:

- (a) Siliceous environment.
- (b) Calcareous environment.
- (c) Both (a) and (b).
- (d) None of these.

Options :

1. A
2. B
3. C
4. D

Question Number : 73 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The pathfinder element of gold is

- (a) As.
- (b) Se.
- (c) Mo.
- (d) SO₄

Options :

1. A
2. B
3. C
4. D

Question Number : 74 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The best groundwater reservoirs have _____?

- (a) low permeability and low porosity
- (b) low permeability and high porosity
- (c) high permeability and low porosity
- (d) high permeability and high porosity

Options :

1. A
2. B
3. C
4. D

Question Number : 75 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Drilling process is employed in mining and geological work for:

- (a) Prospecting.
- (b) Exploration.
- (c) Blasting and during exploitation for development.
- (d) All the above.

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 76 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following element is most abundant in the universe?

- (a) Helium
- (b) Hydrogen
- (c) Oxygen
- (d) Silicon

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 77 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which type of clay is used as a drilling mud?

- (a) China clay.
- (b) Fullers earth.
- (c) Bentonite clay.
- (d) Fire clay.

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 78 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which metal is the most mobile, from the dispersion of ions in relation to ore deposits?

- (a) Copper.
- (b) Lead.
- (c) Zirconium.
- (d) Silver.

Options :

- 1. A
- 2. B

3. C

4. D

Question Number : 79 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 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.

(a) 1-ii, 2-iii, 3-iv, 4-i.

(b) 1-iii, 2-i, 3-iv, 4-ii.

(c) 1-i, 2-ii, 3-iii, 4-iv.

(d) 1-iii, 2-ii, 3-i, 4- ii.

Options :

1. A

2. B

3. C

4. D

Question Number : 80 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

High magnitude of anomalous elements in a particular area is called:

- (a) Anomaly.
- (b) Background value.
- (c) Threshold value.
- (d) Excessive value.

Options :

1. A

2. B

3. C

4. D

Question Number : 81 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Liquid mercury is found in:

- (a) Sphalerite only.
- (b) Galena only.
- (c) Both Sphalerite and galena.
- (d) Copper and iron.

Options :

1. A

2. B

3. C

4. D

Question Number : 82 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The P-wave velocity of the earth's mantle at the Mohorovičić discontinuity is

- (a) 4 km/s
- (b) 6.0 km/s
- (c) 9.0 km/s
- (d) 10.0 km/s

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 83 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The deflection of ocean currents in the northern and southern hemispheres is due to

- (a) Thermohaline circulation
- (b) Coriolis effect
- (c) El Nino effect
- (d) Monsoon effect

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 84 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Tsunamis are

- (a) Gravity waves
- (b) Acoustic waves
- (c) Capillary waves
- (d) Internal waves

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 85 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The least hard mineral in the Mohs' scale of hardness is

- (a) Calcite
- (b) Orthoclase
- (c) Quartz
- (d) Talc

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 86 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Who is known as the father of modern Geology?

- (a) Abraham Gottlob Werner
- (b) James Hutton
- (c) Florence Bascom
- (d) William Smith

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 87 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the full form of SEM?

- (a) Scanning electron microscope
- (b) Scanning elemental microscope
- (c) Scanning electrode microscope
- (d) Scanning emission microscope

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 88 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Use of SEM in the Earth Science is to

- (a) Determine Element of a sample by scanning the surface
- (b) Determine Shape & Size of a sample by scanning the surface
- (c) Determine Chemical composition of a sample by scanning the surface
- (d) Determine images & Morphology of a sample by scanning the surface

Options :

- 1. A

2. B
3. C
4. D

Question Number : 89 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the full form of EPMA?

- (a) Electron-Probe Macro-Analysis
- (b) Electron-Probe Micro-Analysis
- (c) Electron-Probe Micro-Analyzer
- (d) Electron-Probe Macro-Analyzer

Options :

1. A
2. B
3. C
4. D

Question Number : 90 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Use of EPMA in the Earth Science is to

- (a) Determine Elemental composition
- (b) Determine Mineralogical composition
- (c) Determine Chemical composition
- (d) Determine Biological composition

Options :

1. A
2. B
3. C
4. D

Question Number : 91 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the full form of TEM?

- (a) Transition electron microscopy
- (b) Transmission electron microscopy
- (c) Transgression electrode microscopy
- (d) Trans electron microscopy

Options :

1. A
2. B
3. C
4. D

Question Number : 92 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the full form of XRF?

- (a) X-ray fluorescence
- (b) X-ray fluoro-luminescence
- (c) X-ray fluoro-Emission
- (d) X-ray fluorine

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 93 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

It is better to identify a mineral by using its

- (a) Color
- (b) Density
- (c) Streak
- (d) Shade

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 94 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Quarries are used to extract

- (a) Precious Stones
- (b) Building Stones & Rocks
- (c) Gold
- (d) Fossils Fuels

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 95 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Tendency of some minerals to break unevenly along curved and irregular surface is known

as

- (a) Fracture
- (b) Cleavage
- (c) Streak
- (d) Luster

Options :

1. A
2. B
3. C
4. D

Question Number : 96 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The way a surface reflects light is known as

- (a) Color
- (b) Shade
- (c) Filter
- (d) Luster

Options :

1. A
2. B
3. C
4. D

Question Number : 97 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Tendency of some minerals to break along smooth, flat surface is known as

- (a) Fracture
- (b) Cleavage
- (c) Streak
- (d) Luster

Options :

1. A
2. B
3. C
4. D

Question Number : 98 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Colour and appearance of minerals changes due to

- (a) Impurities
- (b) Density
- (c) Mass
- (d) Volume

Options :

1. A
2. B
3. C
4. D

Question Number : 99 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Colour of mineral in powdered form is known as its

- (a) Luster
- (b) Streak
- (c) Shade
- (d) Filter

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 100 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Metallic minerals have

- (a) Dull Surface
- (b) Shiny Surface
- (c) Dark Surface
- (d) Light Surface

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 101 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Density is generally measured in

- (a) g/cm³
- (b) kg/cm³
- (c) lbs/cm³
- (d) g/m³

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 102 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Two common elements in Earth's crust that make up silicate minerals are

- (a) Phosphorus & Silicon
- (b) Silicon & Nitrogen
- (c) Silicon & Oxygen
- (d) Silicon & Carbon

Options :

1. A
2. B
3. C
4. D

Question Number : 103 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Density of water is

- (a) 1g/m³
- (b) 10 kg/cm³
- (c) 1g/cm³
- (d) 100 kg/m³

Options :

1. A
2. B
3. C
4. D

Question Number : 104 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Crust and upper part of mantle combine to form a layer known as

- (a) atmosphere
- (b) lithosphere
- (c) exosphere
- (d) troposphere

Options :

1. A
2. B
3. C
4. D

Question Number : 105 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

On a topographic map, lines that indicate water depth are termed

- (a) Isogonic lines
- (b) Bathymetric lines
- (c) Isopachs
- (d) None of these

Options :

1. A
2. B
3. C
4. D

Question Number : 106 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A total station is a combination of:

- (a) EDM and Theodolite
- (b) Compass and EDM
- (c) Electronic Theodolite and EDM
- (d) EDM and electronic Compass

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 107 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The bubble in a total station is centralised using:

- (a) Tripod
- (b) Levelling screw
- (c) Tangent screw
- (d) Foot screw

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 108 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Areas under water are indicated with

- (a) green colour
- (b) blue colour
- (c) white colour
- (d) grey colour

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 109 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which type of compressive strength is taken as the most important index property of rocks?

- (a) Confined
- (b) Drained
- (c) Undrained
- (d) Unconfined

Options :

1. A
2. B
3. C
4. D

Question Number : 110 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the maximum force expressed per unit area, which a rock can withstand without rupturing?

- (a) Shear strength
- (b) Tensile strength
- (c) Compressive strength
- (d) Bending strength

Options :

1. A
2. B
3. C
4. D

Question Number : 111 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Indo-Australian Plate collided with Eurasian Plate to form mountains, now known as

- (a) Karakorum Range
- (b) Hindu Kush Range
- (c) Himalaya Range
- (d) Mount Everest Range

Options :

1. A
2. B
3. C
4. D

Question Number : 112 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Kyoto Protocol agreement was signed in

- (a) 1990
- (b) 1985
- (c) 1980
- (d) 1997

Options :

1. A
2. B
3. C
4. D

Question Number : 113 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Polar ice caps are found near the

- (a) East and West poles
- (b) East and North poles
- (c) West and South poles
- (d) North and South poles

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 114 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Percolation Tank is constructed to

- (a) Conserve the water
- (b) Accelerate the groundwater recharge
- (c) Improve the soil moisture
- (d) To enhance the surface water resource

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 115 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Piezometer is constructed to monitor the

- (a) Groundwater run-off
- (b) Groundwater level
- (c) Surface water level
- (d) Soil moisture

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 116 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Largest ocean on earth is

- (a) Atlantic Ocean
- (b) Pacific Ocean
- (c) Antarctic Ocean
- (d) Arctic Ocean

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 117 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Water of oceans and seas is

- (a) Sour
- (b) bitter
- (c) sweet
- (d) salty

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 118 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Permissible limit of Arsenic in groundwater is

- (a) 10ppm
- (b) 50ppm
- (c) 10ppb
- (d) 50ppb

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 119 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Pesticides make river water

- (a) hot
- (b) saltish
- (c) poisonous
- (d) sweet

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 120 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Most of reservoirs are built on

- (a) roofs
- (b) mountains and high lands
- (c) lowlands
- (d) sea beds

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 121 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In snowy regions, most of fresh water is in form of

- (a) vapors
- (b) snow
- (c) ice
- (d) all of above

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 122 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

which element contamination in groundwater has affected the maximum habitations?

- (a) Aluminium
- (b) Arsenic
- (c) Cadmium
- (d) Iron

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 123 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

which element is closely associated with Arsenic?

- (a) Copper
- (b) Iron
- (c) Cadmium
- (d) Lead

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 124 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Groundwater legislation made by Govt. of India can be implemented by

- (a) Central Govt.
- (b) State Govt.
- (c) Both State and Central Govt.
- (d) None of above

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 125 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The idea that geologic processes occurring now are the same as those in the past

- (a) Uniformitarianism
- (b) Palaeontology
- (c) Modern geology
- (d) Catastrophism

Options :

- 1. A
- 2. B

3. C

4. D

Question Number : 126 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the idea that geologic change happens suddenly?

- (a) Palaeontology
- (b) Modern geology
- (c) Catastrophism
- (d) Uniformitarianism

Options :

1. A

2. B

3. C

4. D

Question Number : 127 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Accord to uniformitarianism, how does geologic change happen?

- (a) Suddenly
- (b) every few years
- (c) after an earthquake
- (d) gradually

Options :

1. A

2. B

3. C

4. D

Question Number : 128 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What does a paleobotanist study?

- (a) fossil plants
- (b) past ecosystems
- (c) vertebrate animals
- (d) invertebrate animals

Options :

1. A

2. B

3. C

4. D

Question Number : 129 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

ICP is used to analyse samples in which of the following states?

- (a) Solids
- (b) Liquids
- (c) Gases
- (d) Solids and liquids

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 130 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is not the characteristic of ICP spectrometer?

- (a) Easy sample introduction
- (b) It can trace multiple elements
- (c) High detection limits
- (d) Accurate

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 131 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is the disadvantage of ICP mass spectroscopy?

- (a) Incapable of multi-element analysis
- (b) Less sensitivity
- (c) Impossible to obtain isotopic information
- (d) Not useful for detection of non-metals

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 132 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Trace fossils are also known:

- (a) Organic fossils
- (b) Ichnofossils
- (c) Ripple fossils
- (d) None of these.

Options :

- 1. A
- 2. B

3. C

4. D

Question Number : 133 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

First evidence of Stromatolite has been dated:

- (a) 1500 my.
- (b) 2000 my
- (c) 3000 my
- (d) 3500 my

Options :

1. A

2. B

3. C

4. D

Question Number : 134 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which planet is also known as blue planet?

- (a) Mercury
- (b) Venus
- (c) Earth
- (d) Mars

Options :

1. A

2. B

3. C

4. D

Question Number : 135 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The origin of human evolution took place in:

- (a) North America
- (b) South America
- (c) Australia
- (d) Central Asia

Options :

1. A

2. B

3. C

4. D

Question Number : 136 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What is the name of the earliest human ancestor discovered from Siwalik hills of India?

- (a) Australopithecus
- (b) Sinanthropus
- (c) Ramapithecus
- (d) Pithecanthropus

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 137 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A fossil which assumes to be the intermediate form between man and ape is:

- (a) Australopithecus
- (b) Ramapithecus
- (c) Pithecanthropus
- (d) Sinanthropus.

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 138 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In the vertical photography the axis of the camera is

- (a) Horizontal
- (b) Right angle
- (c) Parallel
- (d) At an angle of 30°

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 139 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The central building research institute is in

- (a) New Delhi
- (b) Roorkee
- (c) Pune
- (d) Chandigarh

Options :

- 1. A
- 2. B
- 3. C

4. D

Question Number : 140 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In a hilly region stability of hill slope depend upon

- (a) Angle of slope
- (b) Ground water condition
- (c) Geological condition
- (d) All of the above

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 141 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The bearing capacity of a water logged soil are generally improved by

- (a) suitable drainage
- (b) grouting
- (c) consolidation
- (d) planting the coniferous trees

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 142 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Physical landscape is largely the result of

- (a) Weathering
- (b) Erosion
- (c) Denudation
- (d) Weathering and erosion

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 143 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Ability of a material to withstand uniaxial compressive stress without breaking is

- (a) Tensile strength
- (b) Fatigue strength
- (c) Yield strength
- (d) Compressive strength

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 144 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

As the w/c ratio (mass of water/mass of cement) of concrete increases, the porosity _____ and as the result compressive strength _____

- (a) Increases, increases
- (b) Increases, decreases
- (c) Decreases, increases
- (d) Decreases, increases

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 145 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which machine is used to measure compressive strength?

- (a) Erichsen machine
- (b) Universal testing machine
- (c) Impact testing machine
- (d) Fatigue testing machine

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 146 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

At what time usually rainfall is recorded in India?

- (a) 4 P.M.
- (b) 6 P.M.
- (c) 8 P.M.
- (d) 10 P.M.

Options :

1. A
2. B
3. C
4. D

Question Number : 147 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Narmada Bachao Andolan is related to _____

- (a) Tehri Dam
- (b) Bhakra Nangal
- (c) Sardar Sarovar
- (d) Rihand Dam

Options :

1. A
2. B
3. C
4. D

Question Number : 148 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Match the following columns:

- | | |
|---------------|---------------------------------|
| 1. isobaths | i) Equal thickness. |
| 2. isohyets' | ii) Equal pressure surface. |
| 3. Isopach. | iii) Equal rainfall. |
| 4. Isopiestic | iv) Equal depth to water table. |

- (a) 1-ii, 2-i, 3-iv, 4-iii.
- (b) 1-i, 2-ii, 3-iii, 4-iv.
- (c) 1-iv, 2-iii, 3-i, 4-ii.
- (d) 1-iv, 2-ii, 3-iii, 4-i

Options :

1. A
2. B
3. C
4. D

Question Number : 149 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

BOD is:

- (a) A measure of the organic matter presents in water
- (b) Usually less than COD
- (c) Biochemical oxygen demand
- (d) All of the above

Options :

1. A
2. B
3. C
4. D

Question Number : 150 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Durability of concrete is proportional to _____

- (a) Sand content
- (b) Water cement ratio
- (c) Aggregate ratio
- (d) Cement aggregate ratio

Options :

- 1. A
- 2. B
- 3. C
- 4. D