

National Testing Agency

Question Paper Name: 5276 Online Refresher course in Earth Science and Allied 30th June 2019 Shift 1
Subject Name: Online Refresher course in Earth Science and Allied
Creation Date: 2019-06-30 13:01:43
Duration: 180
Total Marks: 150
Display Marks: Yes

Online Refresher course in Earth Science and Allied

Group Number : 1
Group Id : 489994199
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 : 489994255
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: 489994279
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

Processing of rock samples to separate the microfossils from the matrix

- (a) is same for all types of microfossils
- (b) is different for different types of microfossils
- (c) Depends on type of matrix
- (d) Both (b) and (c)

Options :

- 1. 1
- 2. 2
- 3. 3

4. 4

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

Pteropods are tiny marine winged gastropods with _____ tests

- (a) Calcitic
- (b) Aragonitic
- (c) Siliceous
- (d) Phosphatic

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Which of the following is the component of groundwater recharge structure?

- (a) Filter Chamber
- (b) Lithological Chart
- (c) Drainage
- (d) Reservoir

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Which of the following structure is suitable in hilly region?

- (a) Pond
- (b) Recharge Shaft
- (c) Recharge Well
- (d) Gabbion

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Subsurface dam/dyke is useful for arresting the

- (a) Surface run-off
- (b) Base flow
- (c) Soil moisture
- (d) Surface and groundwater run-off

Options :

- 1. 1

2. 2
3. 3
4. 4

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

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. 1
2. 2
3. 3
4. 4

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

Piezometer is constructed to monitor the

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

Options :

1. 1
2. 2
3. 3
4. 4

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 Arsenic in groundwater is

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

Options :

1. 1
2. 2
3. 3
4. 4

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 arsenic in groundwater is

- (a) Hematite
- (b) Chalcopyrite
- (c) Arsenopyrite
- (d) Zincite

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Source of nitrate in groundwater is

- (a) Industrial effluents
- (b) Sewer
- (c) Mineral
- (d) Rock

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Which element contamination in groundwater affects the maximum habitation?

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

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Which element is closely associated with Arsenic?

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

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Any groundwater unit is declared as overexploited if decline in groundwater level is

- (a) 5cm/year
- (b) 10cm/year
- (c) 20-25cm/year
- (d) > 25cm/year

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

To mitigate the groundwater depletion problem, which attempt is needed?

- (a) Canal Irrigation
- (b) Groundwater withdrawal
- (c) Pumping
- (d) Artificial Recharge to Groundwater

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

If the rate of drawdown in groundwater is increased by 01 meter, the consumption of electricity by pump is increased by

- (a) 0.2KW/hour
- (b) 1.0KW/hour
- (c) 0.4KW/hour
- (d) 0.6KW/hour

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Groundwater salinity in coastal area is influenced by

- (a) High evaporational loss
- (b) Lower Precipitation
- (c) Saline Soil
- (d) Saline water intrusion

Options :

- 1. 1
- 2. 2
- 3. 3

4. 4

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

Semi-arid area in India is characterized by

- (a) Good aquifer and higher precipitation
- (b) Poor aquifer with higher precipitation
- (c) Good aquifer with poor precipitation
- (d) Poor aquifer with poor precipitation

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Groundwater legislations 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. 1
- 2. 2
- 3. 3
- 4. 4

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

If the absorption of electromagnetic radiation by matter results in the emission of radiation of same or longer wavelengths for a short time, the phenomenon is termed as ...

- (a) Luminescence
- (b) Fluorescence
- (c) Phosphorescence
- (d) Spontaneous emission

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Measurement of intensity of fluorescent X-rays provide a simple and _____ way of _____ analysis

- (a) Destructive, quantitative
- (b) Non-destructive, quantitative
- (c) Destructive, qualitative
- (d) Non-destructive, qualitative

Options :

1. 1
2. 2
3. 3
4. 4

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

Energy of the emitted X-rays depends upon the _____ of the atom and their intensity depends upon the _____

- (a) Atomic number, amount of sample
- (b) Mass number, amount of sample
- (c) Mass number, concentration of atoms
- (d) Atomic number, concentration of atoms

Options :

1. 1
2. 2
3. 3
4. 4

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

In Wavelength-dispersive X-ray spectroscopy (WDXS or WDS) _____ of characteristic x-rays is measured

- (a) Wavelength
- (b) Energy
- (c) Both wavelength and energy
- (d) Only counts

Options :

1. 1
2. 2
3. 3
4. 4

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

XRF is a basic technique which can determine _____ in the sample.

- (a) Elements
- (b) Compounds
- (c) Both elements and compound
- (d) Molecules

Options :

1. 1
2. 2
3. 3
4. 4

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

Eparchean unconformity separates geological units of

- (a) Early Archaean from late Archaean
- (b) Archaean from Proterozoic
- (c) Proterozoic from Palaeozoic
- (d) Archaean from Phanerozoic

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Point bar deposit is associated with

- (a) Braided River
- (b) Estuary
- (c) Meandering River
- (d) Beach

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Polymetallic nodules on the ocean floor contain significant amounts of:

- (a) Cu–Ni–Co
- (b) Pb–Zn–Ti
- (c) Hg–Mo–Pt
- (d) U–Th–Nb

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

During its orbital motion around the Sun, Earth is nearest to the Sun on

- (a) March 21
- (b) July 4
- (c) September 23
- (d) January 3

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Four basic points on compass are classified as

- (a) Northings
- (b) Cardinal points
- (c) Legend points
- (d) Eastings

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

PH values for natural water lies between

- (a) 4-7
- (b) 0-4
- (c) 4-9
- (d) 2-7

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Radiometric age is often referred to as _____ age.

- (a) Total
- (b) Absolute
- (c) Historic
- (d) Geologic

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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 is used to determine the relative ages in a rock sequence?

- (a) Stratigraphy
- (b) Fossils
- (c) Cross-cutting relationships
- (d) All of these

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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 will not make a fossil?

- (a) Decomposed organic material
- (b) Plant impressions (casts)
- (c) Animal footprints
- (d) Loose animal bones

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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 of the following isotope is most useful for dating very young wood and charcoal?

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

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

The radon environmental hazard is associated with the radioactive decay of _____

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

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

The Paleozoic does not include the

- (a) Ordovician
- (b) Jurassic
- (c) Mississippian
- (d) Permian

Options :

- 1. 1
- 2. 2
- 3. 3

4. 4

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

Full Form of GPS is

- (a) Global Positioning System
- (b) Global Pointing System
- (c) Global Pension System
- (d) Global Posting System

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

What is the number of GPS satellites used?

- (a) 54
- (b) 12
- (c) 05
- (d) 24

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

How many planets are there in our solar system?

- (a) Eight
- (b) Nine
- (c) Ten
- (d) Eleven

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Plane table is made of

- (a) Metal
- (b) Rubber
- (c) Wood
- (d) Plastic

Options :

- 1. 1

2. 2
3. 3
4. 4

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

Plane table surveying is a _____ method.

- (a) Graphical
- (b) Linear
- (c) Circular
- (d) Angular

Options :

1. 1
2. 2
3. 3
4. 4

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

Which of the below is used for levelling a plane table?

- (a) Plumb bob
- (b) Spirit level
- (c) Compass
- (d) U-frame

Options :

1. 1
2. 2
3. 3
4. 4

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

Structure or form which depicts leaf-like sheets is

- (a) Fibrous
- (b) Lamellar
- (c) Radiating
- (d) Granular

Options :

1. 1
2. 2
3. 3
4. 4

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

Muscovite mica shows which structure?

- (a) Lamellar
- (b) Foliated
- (c) Fibrous
- (d) Radiating

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Chromite shows which type of structure?

- (a) Granular
- (b) Globular
- (c) Reniform
- (d) Mammillary

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Which form resembles human kidney?

- (a) Globular
- (b) Reniform
- (c) Granular
- (d) Mammillary

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Trenching is done:

- (a) Parallel to the strike of the ore body.
- (b) Across the strike of the ore body.
- (c) Diagonal to the strike of the ore body.
- (d) In any possible direction.

Options :

- 1. 1
- 2. 2
- 3. 3

4. 4

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

Baramulla tree (cat stemma commune) is a valuable indicator for:

- (a) Fe.
- (b) Cu-Mo.
- (c) U.
- (d) Mn-Fe.

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

In a virgin area where copper is expected, which method is used to start prospecting:

- (a) Geobotanical.
- (b) Geophysical.
- (c) Geochemical.
- (d) Drilling

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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 one is the main constituent of gaseous formations of petroleum?

- (a) Methane.
- (b) Ethane.
- (c) Propane.
- (d) Butane.

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Biogeochemical method of exploration include the:

- (a) Chemical analysis of elements in vegetation.
- (b) Chemical analysis of underlying soils.
- (c) Chemical analysis of elements in vegetation and its underlying soils.
- (d) Analysis of biological characters of the soil.

Options :

1. 1
2. 2
3. 3
4. 4

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

Churn drill is a type of:

- (a) Percussion drilling.
- (b) Rotary drilling.
- (c) Jet drilling.
- (d) None of these.

Options :

1. 1
2. 2
3. 3
4. 4

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

The purpose of the mud employed during drilling operation is /are:

- (a) To seal any water bearing formation.
- (b) To prevent the bore hole walls from collapsing.
- (c) To keep cool the drilling bit.
- (d) All the above are correct.

Options :

1. 1
2. 2
3. 3
4. 4

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

Term "Isostasy" was first proposed by

- (a) Sir George Airy
- (b) Clarence Dutton
- (c) R.A. Daly
- (d) Archdeacon Pratt

Options :

1. 1
2. 2
3. 3
4. 4

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

Which of the following is formed by glacial erosion?

- (a) Yardang
- (b) Potholes
- (c) Arete
- (d) Cuesta

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Beryl is commercially known as

- (a) Emerald
- (b) Ruby
- (c) Peridote
- (d) Moonstone

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

What is the full form of XRD?

- (a) X-ray powder diffraction
- (b) X-ray diffraction
- (c) X-ray differentiation
- (d) X-ray detection

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Use of XRD in the Earth Science is to

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

Options :

- 1. 1
- 2. 2
- 3. 3

4. 4

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

To determine hardness of a mineral, scientists use

- (a) Perl's Scale
- (b) Richter Scale
- (c) Mohs Hardness Scale
- (d) Andy's Proficient Hardness Testing Scale

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

A crystal's shape is determined by the

- (a) Position of Atoms
- (b) Arrangement of Atoms
- (c) Vibration of Atoms
- (d) Collision of Atoms

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Minerals contain maximum of

- (a) 80 Naturally Occurring Elements
- (b) 92 Naturally Occurring Elements
- (c) 100 Naturally Occurring Elements
- (d) 108 Naturally Occurring Elements

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

If a mineral is shiny, it has

- (a) Metallic Luster
- (b) Submetallic Luster
- (c) Nonmetallic Luster
- (d) Polymetallic Luster

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Mineral's resistance to being scratched is called

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

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Rocks are made of

- (a) Mineral
- (b) Cement
- (c) Ash powder
- (d) Concrete

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Value of most gemstones depend on their

- (a) Appearance
- (b) Shape
- (c) Colour
- (d) Streak

Options :

- 1. 1
- 2. 2
- 3. 3

4. 4

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

Specific gravity of gold is

- (a) 13
- (b) 15
- (c) 17
- (d) 19

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Metallic minerals are good conductors of

- (a) Heat Only
- (b) Electricity Only
- (c) Heat & Electricity both
- (d) Light & sound both

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

An example of silicate minerals could be

- (a) Quartz
- (b) Oxides
- (c) Halides
- (d) Sulfates

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

On Mohs hardness scale, rating of diamond is

- (a) 6
- (b) 8
- (c) 9
- (d) 10

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

One carat is equal to

- (a) 2 grams
- (b) 200 grams
- (c) 2 milligrams
- (d) 200 milligrams

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

One of most important gemstone is

- (a) Gold
- (b) Silver
- (c) Diamond
- (d) Silicon

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

The concentration of carbon dioxide in the atmosphere is in the range of

- (a) 1-10 parts per million
- (b) 10-100 parts per million
- (c) 100-1000 parts per million
- (d) 1000-10,000 parts per million

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Spacing of contour lines depend on

- (a) steepness
- (b) altitude
- (c) area
- (d) elevation

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Contour lines that cross a valley or stream are

- (a) dotted
- (b) solid
- (c) V-shaped
- (d) U-shaped

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

In X-ray spectrometers, the specimen or sample is placed after

- (a) X-ray tube
- (b) Monochromator
- (c) Collimator
- (d) Detector

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

The study which deals with behaviour of rocks under applied forces is called

- (a) Soil mechanics
- (b) Rock mechanics
- (c) Lithology
- (d) Geology

Options :

- 1. 1
- 2. 2

3. 3

4. 4

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 material can be used as a roofing material among the following?

- (a) Slate
- (b) Granite
- (c) Marble
- (d) Gneiss

Options :

1. 1

2. 2

3. 3

4. 4

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

In urban area the most feasible groundwater recharge structure is

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

Options :

1. 1

2. 2

3. 3

4. 4

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

In rural area, which is not suitable and durable groundwater recharge structure

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

Options :

1. 1

2. 2

3. 3

4. 4

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

Which is the component of ground water recharge structure

- (a) Filter Chamber
- (b) Lithological Chart
- (c) Drainage
- (d) Reservoir

Options :

1. 1
2. 2
3. 3
4. 4

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

Following structure is suitable in hilly region

- (a) Pond
- (b) Recharge Shaft
- (c) Recharge Well
- (d) Gabbion

Options :

1. 1
2. 2
3. 3
4. 4

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

Subsurface dam/dyke is useful because it arrests the

- (a) Surface run-off
- (b) Base flow
- (c) Soil moisture
- (d) Surface and groundwater run-off

Options :

1. 1
2. 2
3. 3
4. 4

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 source of arsenic in groundwater is

- (a) Heamatite
- (b) Chalcopyrite
- (c) Arsenopyrite
- (d) Zincite

Options :

1. 1
2. 2
3. 3
4. 4

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 source of nitrate in groundwater is

- (a) Industrial effluents
- (b) Sewer
- (c) Mineral
- (d) Rock

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Acid treatment is required before analysis of following

- (a) Iron
- (b) Calcium
- (c) Magnesium
- (d) Sodium

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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 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. 1
- 2. 2
- 3. 3
- 4. 4

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

The higher concentration of arsenic in groundwater poses following health hazards

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

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

any groundwater unit is declared as overexploited if decline in groundwater level is

- (a) 5cm/year
- (b) 10cm/year
- (c) 20-25cm/year
- (d) > 25cm/year

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

to mitigate the problem of groundwater depletion, the following attempt is needed

- (a) Canal Irrigation
- (b) Groundwater withdrawal
- (c) Water Conservation
- (d) Artificial Recharge to Groundwater

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

if the rate of drawdown in groundwater is increased by 01meter, the consumption of electricity by pump is increased by

- (a) 0.2KW/hour
- (b) 1.0KW/hour
- (c) 0.4KW/hour
- (d) 0.6KW/hour

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Groundwater salinity in coastal area is influenced by

- (a) High evaporational loss
- (b) Lower Precipitation
- (c) Saline Soil
- (d) Saline water intrusion

Options :

- 1. 1

2. 2
3. 3
4. 4

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

Semi-arid area in India is characterised by

- (a) Good aquifer and higher precipitation
- (b) Poor aquifer with higher precipitation
- (c) Good aquifer with poor precipitation
- (d) Poor aquifer with poor precipitation

Options :

1. 1
2. 2
3. 3
4. 4

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 study of past life using fossils?

- (a) paleontology
- (b) uniformitarianism
- (c) modern geology
- (d) catastrophism

Options :

1. 1
2. 2
3. 3
4. 4

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

How are rock layers arranged in the geologic column?

- (a) oldest rocks are on the bottom
- (b) youngest rocks are on the bottom
- (c) youngest rocks are in the middle
- (d) oldest rocks are on the top

Options :

1. 1
2. 2
3. 3
4. 4

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

What is amber?

- (a) wet, sticky tree sap
- (b) an insect's body
- (c) hardened tree sap
- (d) a hard shell

Options :

1. 1
2. 2
3. 3
4. 4

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

Which of the following is an example of a trace fossil?

- (a) a frozen mammoth
- (b) Preserved footprints
- (c) mould and cast
- (d) Hardened tree sap

Options :

1. 1
2. 2
3. 3
4. 4

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

Which kind of temperatures will slow down an organism's decay?

- (a) freezing temperatures
- (b) hot temperatures
- (c) warm temperatures in a wet climate
- (d) cool temperatures

Options :

1. 1
2. 2
3. 3
4. 4

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

Bird's fossils are very rare because of:

- (a) Hollow bones
- (b) Flying characters
- (c) Very high weight
- (d) Both (a) and (b)

Options :

1. 1
2. 2
3. 3
4. 4

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

Amphibians first time came into existence in:

- (a) Cambrian
- (b) Ordovician
- (c) Permo-carboniferous
- (d) Jurassic cretaceous.

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Stromatolites are preserved only in:

- (a) Shale
- (b) Sandstones
- (c) Carbonates
- (d) Coal.

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Which period is known as age of fish?

- (a) Carboniferous
- (b) Permian
- (c) Devonian
- (d) Triassic

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Which one is most famous for fossils vertebrate in India:

- (a) Aravallis
- (b) Wndhyans
- (c) Siwalik
- (d) All the above.

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Infra- red spectrum is found in the region of

- (a) micro waves
- (b) visible waves
- (c) ultraviolet wave
- (d) Beyond the red part of the visible waves

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

The Infra- red spectrum consists of wave

- (a) Shorter than those of visible light
- (b) Longer than those of visible light
- (c) Equal to that of visible light
- (d) None of the above is correct

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Out of the following which one has the longest wave length

- (a) Ultraviolet light
- (b) x ray
- (c) Infra-red rays
- (d) Gamma ray

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

The range of visible light lies between

- (a) 4000A and 7800A
- (b) 3000A and 700A
- (c) 5800A and 7200A
- (d) 7800A and 9372A

Options :

- 1. 1
- 2. 2
- 3. 3

4. 4

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

Aeroplane which takes aerial photographs generally fly in

- (a) Toposphere
- (b) Stratosphere
- (c) Ionospheres
- (d) exosphere

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

What is the compressive strength of bone?

- (a) 150 MPa
- (b) 400 MPa
- (c) 500 MPa
- (d) 2400 MPa

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Which material has tensile strength higher than compressive strength?

- (a) Alumina
- (b) Silica
- (c) Cast iron
- (d) Fiber glass

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

What is the approximate ratio of tensile strength to compressive strength for most of the ceramics?

- (a) 1:1
- (b) 1:5
- (c) 1:10
- (d) 1:20

Options :

1. 1
2. 2
3. 3
4. 4

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 compressive strength of silicon nitride?

- (a) 500 MPa
- (b) 900 MPa
- (c) 2400 MPa
- (d) 3000 MPa

Options :

1. 1
2. 2
3. 3
4. 4

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

Which statement is false?

- (a) Metals have a compressive strength ranging from 100 to 1500 MPa
- (b) Ceramics have a compressive strength ranging from 1000 to 5000 MPa
- (c) Concrete is stronger in compression than in tension
- (d) Concrete is reinforced with materials which provide better compressive properties

Options :

1. 1
2. 2
3. 3
4. 4

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

For _____ value of a rate of loading, the value of strength comes out to be _____

- (a) Lower, lower
- (b) Lower, higher
- (c) Any, same
- (d) Any, different independent of a rate of loading

Options :

1. 1
2. 2
3. 3
4. 4

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

What will be the unit of compressive stress?

- (a) N
- (b) N/mm
- (c) N/mm
- (d) Nmm

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Which one of the following is a deep-sea drilling research vessel?

- (a) ORV SagarKanya
- (b) RV Sindhu Sadhana
- (c) RV Sindhu Sankalp
- (d) Chikyu

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

A solid circular shaft of diameter d is subjected to a torque T . the maximum normal stress induced in the shaft is

- (a) Zero
- (b) $16T/\pi d$
- (c) $32T/\pi d$
- (d) None of the mentioned

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

When a rectangular beam is loaded transversely, the maximum compressive stress develops on

- (a) Bottom fibre
- (b) Top fibre
- (c) Neutral axis
- (d) Every cross-section

Options :

- 1. 1
- 2. 2

3. 3

4. 4

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

Planktonic foraminifera first evolved during ___ times.

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

Options :

1. 1

2. 2

3. 3

4. 4

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

Strength of concrete increase with _____

- (a) Increase with w/c ratio
- (b) Decrease with w/c ratio
- (c) Decrease in size of aggregates
- (d) Decrease in curing time

Options :

1. 1

2. 2

3. 3

4. 4

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

The basic igneous rock which is dark coloured and has been extensively used as road materials is

- (a) Granite
- (b) Gabbro
- (c) Basalt
- (d) Syenite

Options :

1. 1

2. 2

3. 3

4. 4

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

Which of the following is not true about granite?

- a) Very high crushing strength
- b) Low absorption values
- c) Takes good polish
- d) High absorption values

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Limestone can be used as facing stones at situations where

- (a) Air is polluted with industrial gases
- (b) Along sea coasts where sea water-rich winds can attack them
- (c) Less chemical exposure and mild weather
- (d) The place has very harsh weather

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

An element that is naturally radioactive is

- (a) Argon
- (b) Xenon
- (c) Helium
- (d) Radium

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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 is non – radiogenic Lead

- (a) ^{208}Pb
- (b) ^{207}Pb
- (c) ^{204}Pb
- (d) ^{208}Pb

Options :

- 1. 1
- 2. 2

3. 3

4. 4

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

For dating recent Alluvium and also the method which is of interest to Archeologist is

- (a) K-Ar
- (b) Pb-Pb
- (c) Rb-Sr
- (d) ^{14}C

Options :

1. 1

2. 2

3. 3

4. 4

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

Atmospheric pressure distribution is represented by

- (a) Isobars
- (b) Isotherms
- (c) Isohyet
- (d) Isothel

Options :

1. 1

2. 2

3. 3

4. 4

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

Hydrogen, Deuterium and Tritium are

- (a) Isomers of hydrogen
- (b) Isotopes of hydrogen
- (c) Isobars of hydrogen
- (d) Allotropes of hydrogen

Options :

1. 1

2. 2

3. 3

4. 4

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

Which of the following is true in case of pure water:

- (a) $[H^+] > [OH^-]$
- (b) $[H^+] < [OH^-]$
- (c) $[H^+] < [OH^-] > 1.10^{-7}$
- (d) $[H^+] = [OH^-]$

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

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. 1
- 2. 2
- 3. 3
- 4. 4

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

Which unit in total station processes data collected?

- (a) Data collector
- (b) EDM
- (c) Storage system
- (d) Microprocessor

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

The bubble in total station is centralised using;

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

Options :

- 1. 1
- 2. 2

3. 3

4. 4

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

The three types of rocks are

- (a) Weathering, erosion, deposition
- (b) Metamorphic, sedimentary, deposition
- (c) Igneous, sedimentary, metamorphic
- (d) Sedimentary, deposition, igneous

Options :

1. 1

2. 2

3. 3

4. 4

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

TIN stands for

- (a) Traffic Internet Network
- (b) Triangulated Irregular Network
- (c) Temporal Interest Network
- (d) Temperature Interface Node

Options :

1. 1

2. 2

3. 3

4. 4

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

DBMS stands for

- (a) Database Management System
- (b) Database Monitoring System
- (c) Database Manufacturing System
- (d) Database Mixing Station

Options :

1. 1

2. 2

3. 3

4. 4

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 of the following is a biodegradable organic chemical/substance?

- (a) Plastics
- (b) Oils
- (c) Pesticides
- (d) Garbage

Options :

1. 1
2. 2
3. 3
4. 4

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

Septic tank is:

- (a) An aerobic attached growth treatment system
- (b) An aerobic suspended growth biological treatment system
- (c) An anaerobic attached growth biological treatment system
- (d) An anaerobic suspended growth treatment system

Options :

1. 1
2. 2
3. 3
4. 4

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

Total dissolved solids (TDS) can be reduced by the following method

- (a) Distillation
- (b) Reverse osmosis
- (c) Ion exchange
- (d) All of the above

Options :

1. 1
2. 2
3. 3
4. 4

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

Permanent hardness is caused due to

- (a) Magnesium carbonate
- (b) Magnesium bicarbonate
- (c) Magnesium sulphate
- (d) All of the above

Options :

1. 1
2. 2
3. 3
4. 4

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

According to WHO, the soft water has 0 to _____ milligram per litre as CaCO_3 .

- (a) 30
- (b) 60
- (c) 90
- (d) 120

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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 source of Arsenic in water is

- (a) Industrial waste
- (b) Fertilizers
- (c) Phosphate rocks
- (d) All of the above

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

The atmospheric loss of water from plants is

- (a) Precipitation
- (b) Infiltration
- (c) Condensation
- (d) Evapotranspiration

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

..... indicate regions of groundwater recharge and.....associated with groundwater discharge:

- (a) Concave contours / Convex contours.
- (b) Convex contours/ Concave contours.
- (c) Concave contours/ Concave contours.
- (d) Convex contours/ convex contours

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Groundwater is a source of trouble at which place?

- (a) Plains
- (b) Slopes
- (c) Rivers
- (d) Lakes

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Which is the first state in India to make roof top rain water harvesting compulsory to all the houses?

- (a) Tamil Nadu
- (b) Kerala
- (c) Assam
- (d) Goa

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

Which of the following is the major source of fresh water which is available in India?

- (a) Ocean water
- (b) River water
- (c) Pond water
- (d) Ground water

Options :

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

The infiltration of water into the subsurface is the _____

- (a) influent
- (b) effluent
- (c) discharge
- (d) recharge

Options :

- 1. 1
- 2. 2

3. 3

4. 4

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

The most abundant, natural acid is:

- (a) Nitric
- (b) hydrochloric
- (c) carbonic
- (d) citric

Options :

1. 1

2. 2

3. 3

4. 4

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

Water that is good enough to drink is called _____

- (a) Potable water
- (b) Groundwater
- (c) Surface water
- (d) Artesian water

Options :

1. 1

2. 2

3. 3

4. 4

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

Contaminated rainwater is result of

- (a) higher soil moisture
- (b) poor sewerage system
- (c) air pollution
- (d) noise pollution

Options :

1. 1

2. 2

3. 3

4. 4

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

Which of the following is true about pH?

- (a) the scale runs 0-21
- (b) level 9 is acidic
- (c) level 4 is considered base
- (d) level 7 is best for stream water

Options :

1. 1
2. 2
3. 3
4. 4

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

Pteropods are tiny marine winged gastropods with _____ tests

- (a) Calcitic
- (b) Aragonitic
- (c) Siliceous
- (d) Phosphatic

Options :

1. 1
2. 2
3. 3
4. 4