

Question Paper Preview

Notations :

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

Subject Name:	Geology Paper Code HDAT649
Calculator:	Scientific
Magnifying Glass Required?:	No
Ruler Required?:	No
Eraser Required?:	No
Scratch Pad Required?:	No
Rough Sketch/Notepad Required?:	No
Protractor Required?:	No

Display Number Panel:	Yes
Group All Questions:	No

Question Number : 1 Question Id : 10922235834 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the density of the earth as a whole?

Options :

1. ✗ 6.5
2. ✓ 5.5
3. ✗ 4.5
4. ✗ 3.5

Question Number : 2 Question Id : 10922235835 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is the shape of the earth?

Options :

1. ✗ ellipsoid
2. ✗ sphere
3. ✓ geoidal
4. ✗ oblate spheroid

Question Number : 3 Question Id : 10922235836 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sial and sima are separated by

Options :

1. ✓ Conared discontinuity
2. ✗ Lchman discontinuity

- ✘ Mohorovic discontinuity
- ✘ None of the given options

Question Number : 4 Question Id : 10922235837 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Name of the lower continental crust is

Options :

- ✘ sife
- ✘ sial
- ✘ simg
- ✔ sima

Question Number : 5 Question Id : 10922235838 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the process of the formation of gypsum from unhydrite

Options :

- ✘ Oxidation
- ✘ Hydration
- ✔ Hydrolosis
- ✘ All of the given options

Question Number : 6 Question Id : 10922235839 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Frost action takes place due to

Options :

- ✔ freezing of water
- ✘ ex foliation
- ✘ siltation
- ✘ ex foliation and siltation

Question Number : 7 Question Id : 10922235840 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Geosycline is associated with the

Options :

- ✘ cinders
- ✔ orogeny
- ✘ Episrogeny
- ✘ All of the given options

Question Number : 8 Question Id : 10922235841 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The smallest unit of an elevated land is called

Options :

- ✘ range
- ✘ mountain
- ✘ hill
- ✔ hillock

Question Number : 9 Question Id : 10922235842 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Best example of the fold mountain in India

Options :

1. ✘ Eastern Ghats
2. ✘ Western Ghats
3. ✔ Himalayas
4. ✘ All of the given options

Question Number : 10 Question Id : 10922235843 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Topography is associated with

Options :

1. ✘ elevations
2. ✘ plains
3. ✘ depressions
4. ✔ All of the given options

Question Number : 11 Question Id : 10922235844 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is the oldest mountain range in India

Options :

1. ✘ Himalaya
2. ✘ Satpura
3. ✔ Aravalli
4. ✘ Vindhayan

Question Number : 12 Question Id : 10922235845 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Isostasy exists in the

Options :

1. ✘ mantle
2. ✔ crust
3. ✘ core
4. ✘ All of the given options

Question Number : 13 Question Id : 10922235846 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The pangea exists in the following period

Options :

1. ✘ Permian
2. ✔ Carboniferous
3. ✘ Devonian
4. ✘ Silurian

Question Number : 14 Question Id : 10922235847 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the cause of plate motion

Options :

1. ✘ heat flow
2. ✘ gravitational difference

- ✘ convection - current condition
- ✔ All of the given options

Question Number : 15 Question Id : 10922235848 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which sedimentary rock is abundant in the Lithosphere?

Options :

- ✘ Dolomite
- ✔ Shale
- ✘ Limestone
- ✘ Sandstone

Question Number : 16 Question Id : 10922235849 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Coral reefs are associated with the

Options :

- ✔ organic deposits
- ✘ inorganic deposits
- ✘ organic deposits and inorganic deposits
- ✘ None of the given options

Question Number : 17 Question Id : 10922235850 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Eastern Ghats are associated with the following cratons

Options :

- ✘ Sausar - Gondwana
- ✘ Cuddapah - Vindhyan
- ✔ Dharwar - Singhbhum
- ✘ Satpura - Aravalli

Question Number : 18 Question Id : 10922235851 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Ox -bow lake is associated with the following stage of the river erosion

Options :

- ✘ Youth
- ✔ Initial
- ✘ Old
- ✘ Mature

Question Number : 19 Question Id : 10922235852 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Isolated hillocks occurring in the peneplains are known as

Options :

- ✔ Monudnock
- ✘ Piedmont
- ✘ Moraines
- ✘ Pedestal rock

Question Number : 20 Question Id : 10922235853 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Oasis is a result of

Options :

1. ✓ wind action
2. ✗ river action
3. ✗ glacier action
4. ✗ sea wave action

Question Number : 21 Question Id : 10922235854 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Blind valleys occur in the following topography

Options :

1. ✗ glacier
2. ✗ Aeolian
3. ✓ Karst
4. ✗ None of the given options

Question Number : 22 Question Id : 10922235855 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is the tectonic lake / sea?

Options :

1. ✗ Baikal lake
2. ✗ Dead sea
3. ✗ Caspian sea
4. ✓ All of the given options

Question Number : 23 Question Id : 10922235856 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following system shows the maximum number of classes

Options :

1. ✗ Orthorhombic
2. ✓ hexagonal
3. ✗ Tetrahedral
4. ✗ cubic

Question Number : 24 Question Id : 10922235857 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Majority of minerals crystallizes in the following system

Options :

1. ✓ Monoclinic
2. ✗ Orthorhombic
3. ✗ Cubic
4. ✗ Tetragonal

Question Number : 25 Question Id : 10922235858 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following is not the hexagonal system

Options :

1. ✓ Topaz
2. ✗ Hematite

- ✘ Quartz
- ✘ Tourmaline

Question Number : 26 Question Id : 10922235859 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Best example of the solid solution

Options :

- ✘ micas
- ✘ plagioclases
- ✘ pyroxenes
- ✔ plagioclases and pyroxenes

Question Number : 27 Question Id : 10922235860 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The term fabric of the rock is used to indicate the

Options :

- ✘ texture
- ✘ structure
- ✔ texture and structure
- ✘ mineral composition

Question Number : 28 Question Id : 10922235861 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Forsterite and quartz react to form

Options :

- ✘ Ferrosilite
- ✔ Enstatite
- ✘ Olivine
- ✘ All of the given options

Question Number : 29 Question Id : 10922235862 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Intermediate cooling is a result of

Options :

- ✔ zoned crystals
- ✘ Xenoliths
- ✘ Dike
- ✘ None of the given options

Question Number : 30 Question Id : 10922235863 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Emplacement of plutons is associated with

Options :

- ✔ syntectonic
- ✘ pre-tectonic
- ✘ post-tectonic
- ✘ All of the given options

Question Number : 31 Question Id : 10922235864 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The percentage of the silica is largest in the following rocks

Options :

1. ✓ Rhyolite
2. ✗ Trachyte
3. ✗ Basalt
4. ✗ Andesite

Question Number : 32 Question Id : 10922235865 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following is not the discordant body

Options :

1. ✓ sill
2. ✗ dyke
3. ✗ batholiths
4. ✗ lopolith

Question Number : 33 Question Id : 10922235866 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Quartz and plagioclase are associated with the following inter growth structure

Options :

1. ✗ Graphic
2. ✗ Panidomorphic
3. ✓ Myrkevite
4. ✗ Graphic and Panidomorphic

Question Number : 34 Question Id : 10922235867 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Perlitic is evidence of

Options :

1. ✗ petrification
2. ✓ devitrification
3. ✗ petrification and devitrification
4. ✗ None of the given options

Question Number : 35 Question Id : 10922235868 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Ophitic texture is characteristic feature of

Options :

1. ✓ Dolerite
2. ✗ Andesite
3. ✗ Trachyte
4. ✗ Lamprophyres

Question Number : 36 Question Id : 10922235869 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Lamprophyres are associated with

Options :

1. ✗ plutons
2. ✗ laccolith

3. ✓ dykes and sills

4. ✗ granites

Question Number : 37 Question Id : 10922235870 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The pillow lavas indicate

Options :

1. ✗ continental eruption

2. ✓ sub marine eruption

3. ✗ continental eruption and sub marine eruption

4. ✗ None of the given options

Question Number : 38 Question Id : 10922235871 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Thickest cross beddings are common in the following deposits

Options :

1. ✗ glacial

2. ✗ alluvial

3. ✓ Aeolian

4. ✗ Lacustrine

Question Number : 39 Question Id : 10922235872 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Ripple marks are characterized by the following conditions

Options :

1. ✗ deep water

2. ✗ very deep water

3. ✓ shallow water

4. ✗ deep water and shallow water

Question Number : 40 Question Id : 10922235873 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Name the most abundant chemically precipitated rock

Options :

1. ✗ chert

2. ✓ limestone

3. ✗ common salt

4. ✗ gypsum

Question Number : 41 Question Id : 10922235874 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Lagoonal deposits are formed under the following environment

Options :

1. ✗ Lacustrine

2. ✗ Littoral

3. ✓ Euxinic

4. ✗ Estuarine

Question Number : 42 Question Id : 10922235875 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Terrigenous marine sediments are the result of

Options :

1. ✘ marine sediments
2. ✔ land sediments
3. ✘ precipitated sediments
4. ✘ All of the given options

Question Number : 43 Question Id : 10922235876 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Digenesis is a process of

Options :

1. ✘ inter depositional
2. ✘ pre depositional
3. ✔ post depositional
4. ✘ inter depositional and post depositional

Question Number : 44 Question Id : 10922235877 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The factors involved in the metamorphism are

Options :

1. ✘ temperature
2. ✘ pressure
3. ✔ temperature and pressure
4. ✘ None of the given options

Question Number : 45 Question Id : 10922235878 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Granulite faces in rocks indicate the

Options :

1. ✔ deep crystal materials
2. ✘ oceanic materials
3. ✘ shallow crystal materials
4. ✘ All of the given options

Question Number : 46 Question Id : 10922235879 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Green schists indicate the

Options :

1. ✘ low pressure and temperature
2. ✘ High pressure and temperature
3. ✘ low pressure and high temperature
4. ✔ high pressure and low temperature

Question Number : 47 Question Id : 10922235880 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Foliated fabrics are characteristic feature of

Options :

1. ✘ migmatites
2. ✘ gneisses

- ✘ shales
- ✔ All of the given options

Question Number : 48 Question Id : 10922235881 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Aphibolite facies are associated with the

Options :

- ✘ Staurolite zone
- ✘ kyanite zone
- ✘ sillimanite zone
- ✔ All of the given options

Question Number : 49 Question Id : 10922235882 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Retrograde metamorphism is also called

Options :

- ✘ injective metamorphism
- ✘ additive metamorphism
- ✔ diaphoresis
- ✘ All of the given options

Question Number : 50 Question Id : 10922235883 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Staurolite is a result of

Options :

- ✘ Chlorite
- ✘ Muscovite
- ✘ Sillimanite
- ✔ Chlorite and Muscovite

Question Number : 51 Question Id : 10922235884 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Rock deformation is caused by

Options :

- ✘ ductile
- ✘ brittle
- ✔ ductile and brittle
- ✘ None of the given options

Question Number : 52 Question Id : 10922235885 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The plung and pitch are equal, when the beds are

Options :

- ✘ inclined
- ✔ vertical
- ✘ horizontal
- ✘ None of the given options

Question Number : 53 Question Id : 10922235886 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Columnar joints are common in the following rocks

Options :

1. ✓ Basalts
2. ✗ Granites
3. ✗ Gneisses
4. ✗ Sandstone

Question Number : 54 Question Id : 10922235887 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Klippe is a

Options :

1. ✗ Hogback
2. ✗ window
3. ✓ Nappe outlier
4. ✗ Nappe inlier

Question Number : 55 Question Id : 10922235888 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Repetition of beds is caused by

Options :

1. ✗ faulting
2. ✓ folding
3. ✗ jointing
4. ✗ All of the given options

Question Number : 56 Question Id : 10922235889 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sole marking are

Options :

1. ✓ casts on the underside of beds
2. ✗ scratches on the miners
3. ✗ marking on shale beds
4. ✗ marking on mica sheets

Question Number : 57 Question Id : 10922235890 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Lineation is common in the following minerals

Options :

1. ✗ feldspar
2. ✗ mica
3. ✓ hornblende
4. ✗ tourmaline

Question Number : 58 Question Id : 10922235891 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Foliation is common in the following rocks

Options :

1. ✓ schists
2. ✗ hornfels

- ✘ gneisses
- ✘ granites

Question Number : 59 Question Id : 10922235892 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Upward mountains are also called

Options :

- ✘ fold mountains
- ✔ domed mountains
- ✘ relict mountains
- ✘ fault block mountains

Question Number : 60 Question Id : 10922235893 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Normal faults are commonly characterized by

Options :

- ✔ high angle faults
- ✘ low angle faults
- ✘ strike slip faults
- ✘ dip slip faults

Question Number : 61 Question Id : 10922235894 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Stratigraphy is a science of

Options :

- ✘ description of strata
- ✘ correlation of strata
- ✘ classification of strata
- ✔ All of the given options

Question Number : 62 Question Id : 10922235895 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What are the fossils

Options :

- ✘ remains of animals
- ✘ remains of plants
- ✔ remains of animals and remains of plants
- ✘ None of the given options

Question Number : 63 Question Id : 10922235896 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The trend of the Mahanadi and Godavari valleys is in the direction of

Options :

- ✔ NW - SE
- ✘ NE - SW
- ✘ E - W
- ✘ N - S

Question Number : 64 Question Id : 10922235897 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The frontal foredeep belt is also called

Options :

1. ✘ Siwalic range
2. ✘ outer Himalaya
3. ✘ Inter Himalaya
4. ✔ Siwalic range and outer Himalaya

Question Number : 65 Question Id : 10922235898 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The average height of the lesser Himalayan zone is

Options :

1. ✘ 1000 - 2000 m
2. ✔ 2000 - 3000 m
3. ✘ 3000 - 4000 m
4. ✘ 4000 - 5000 m

Question Number : 66 Question Id : 10922235899 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Closest granite occurs in the mountain ranges of

Options :

1. ✘ Tamil Nadu
2. ✘ Kerala
3. ✔ Karnataka
4. ✘ Maharastra

Question Number : 67 Question Id : 10922235900 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The lower Vindhyan succession is also called

Options :

1. ✔ Semi group
2. ✘ kaimur group
3. ✘ Rewa group
4. ✘ Bhandar group

Question Number : 68 Question Id : 10922235901 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The Jurassic rocks of catch contain the following fossils

Options :

1. ✘ Lamellibranchs
2. ✘ Ammonites
3. ✘ Plants
4. ✔ All of the given options

Question Number : 69 Question Id : 10922235902 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The lower Gondwana includes the following groups

Options :

1. ✘ Talchir
2. ✘ Damuda

- ✘ Panchet
- ✔ All of the given options

Question Number : 70 Question Id : 10922235903 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Surma group contains the following rocks

Options :

- ✘ sandstones
- ✘ shales
- ✘ limestones
- ✔ sandstones and shales

Question Number : 71 Question Id : 10922235904 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Fourth phase of the Himalayan orogeny is associated with

Options :

- ✔ main boundary fault
- ✘ foredeep
- ✘ Tethys sea
- ✘ All of the given options

Question Number : 72 Question Id : 10922235905 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Which of the following is the ore mineral

Options :

- ✔ Hematite
- ✘ Feldspar
- ✘ Pyroxene
- ✘ Mica

Question Number : 73 Question Id : 10922235906 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The temperature of the isothermal deposits is

Options :

- ✘ 100 - 200 degree centigrade
- ✔ 200 - 300
- ✘ 300 - 400
- ✘ 400 - 500

Question Number : 74 Question Id : 10922235907 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Cave deposits are associated with the

Options :

- ✘ sandstone
- ✘ shale
- ✔ limestone
- ✘ slates

Question Number : 75 Question Id : 10922235908 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Best example of residual deposits

Options :

1. ✘ clay
2. ✘ tin
3. ✘ ochre
4. ✔ All of the given options

Question Number : 76 Question Id : 10922235909 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Best example of non- metallic deposits

Options :

1. ✘ Talc
2. ✘ Asbestos
3. ✘ Hematite
4. ✔ Talc and Asbestos

Question Number : 77 Question Id : 10922235910 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Biotite is a

Options :

1. ✘ colourless mica
2. ✔ dark coloured mica
3. ✘ Amber coloured mica
4. ✘ plae coloured mica

Question Number : 78 Question Id : 10922235911 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Examples of metallogenic provinces of India

Options :

1. ✘ Bihar - West Bengal area
2. ✘ Madhyapradesh - Maharastra area
3. ✘ Karnataka
4. ✔ All of the given options

Question Number : 79 Question Id : 10922235912 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The rock excavated beyond the required cross section of tunnel is called

Options :

1. ✔ over break
2. ✘ fault zone
3. ✘ fold zone
4. ✘ All of the given options

Question Number : 80 Question Id : 10922235913 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Impact testing of a stone is done to know its

Options :

1. ✘ toughness
2. ✔ durability

- ✘ density
- ✘ specific gravity

Question Number : 81 Question Id : 10922235914 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The strength of a rock is determined by

Options :

- ✘ crushing strength
- ✘ shearing strength
- ✘ resistance to abrasion
- ✔ All of the given options

Question Number : 82 Question Id : 10922235915 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The lining of a pressure tunnel is subjected to the following pressures

Options :

- ✘ internal hydrostatic pressure
- ✘ external rock pressure
- ✘ external hydraulic pressure
- ✔ All of the given options

Question Number : 83 Question Id : 10922235916 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Soil creep is associated with the

Options :

- ✔ unconsolidated earth material
- ✘ jointed rock formations
- ✘ folded rock formations
- ✘ None of the given options

Question Number : 84 Question Id : 10922235917 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following is not the cause of landslide

Options :

- ✘ water
- ✔ air
- ✘ slope
- ✘ rock structure

Question Number : 85 Question Id : 10922235918 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following solar spectrum is widely used in the remote sensing

Options :

- ✘ UHF region
- ✘ Infrared region
- ✘ X-ray region
- ✔ Visible region

Question Number : 86 Question Id : 10922235919 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The IRS system consists of

Options :

1. ✘ 5- axis body
2. ✘ 4- axis body
3. ✔ 3 - axis body
4. ✘ 2 - axis body

Question Number : 87 Question Id : 10922235920 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What are the passive sensors?

Options :

1. ✘ Radiometers
2. ✘ Cameras
3. ✘ Multispectral scanners
4. ✔ All of the given options

Question Number : 88 Question Id : 10922235921 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following is not the range of visible light

Options :

1. ✘ 380 - 700 nm
2. ✘ 280 - 400 nm
3. ✘ 700 - 2200 nm
4. ✔ 280 - 400 nm and 700 - 2200 nm

Question Number : 89 Question Id : 10922235922 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Drift and crab occur due to

Options :

1. ✘ inclined topography
2. ✘ tilt in the aircraft
3. ✘ fault in the lens
4. ✔ wind currents

Question Number : 90 Question Id : 10922235923 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The function of the yellow colour filters is to absorb

Options :

1. ✘ red light
2. ✘ green light
3. ✔ blue light
4. ✘ violet light

Question Number : 91 Question Id : 10922235924 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following is not the example of hydrothermal deposits

Options :

1. ✘ lead
2. ✘ zinc

- ✘ copper
- ✔ chromite

Question Number : 92 Question Id : 10922235925 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Classification of Delhi super group

Options :

- ✘ Alwar Group
- ✘ Ajabgarh Group
- ✔ Alwar Group and Ajabgarh Group
- ✘ None of the given options

Question Number : 93 Question Id : 10922235926 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The regional strike of the Dharwar super group

Options :

- ✔ NNW - SSE
- ✘ N -S
- ✘ NE - SW
- ✘ All of the given options

Question Number : 94 Question Id : 10922235927 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Indo - Gangetic plain is filled with the following sediments

Options :

- ✘ Mesozoic
- ✔ Quaternary
- ✘ Tertiary
- ✘ Precambrian

Question Number : 95 Question Id : 10922235928 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Fault line scarp is associated with

Options :

- ✘ resistant rocks
- ✘ non - resistant rocks
- ✔ resistant rocks and non - resistant rocks
- ✘ None of the given options

Question Number : 96 Question Id : 10922235929 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Gravity fault is associated with

Options :

- ✔ Tensional forces
- ✘ compressional forces
- ✘ Torsion forces
- ✘ All of the given options

Question Number : 97 Question Id : 10922235930 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Through is a

Options :

1. ✓ vertical component
2. ✗ horizontal component
3. ✗ diagonal component
4. ✗ All of the given options

Question Number : 98 Question Id : 10922235931 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Folds having inclined axes are called

Options :

1. ✗ Axes of fold
2. ✗ Axis plane
3. ✓ plunging folds
4. ✗ None of the given options

Question Number : 99 Question Id : 10922235932 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Maculose structure is associated with the

Options :

1. ✗ Arenaceous rocks
2. ✓ Argillaceous rocks
3. ✗ Rudaceous rocks
4. ✗ None of the given options

Question Number : 100 Question Id : 10922235933 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Sandstone is a

Options :

1. ✗ Rudaceous rock
2. ✓ Arenaceous rock
3. ✗ Argillaceous rock
4. ✗ None of the given options

Question Number : 101 Question Id : 10922235934 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following sphere is the important zone in the upper mantle of the earth

Options :

1. ✗ Lithosphere
2. ✓ Asthenosphere
3. ✗ Hydrosphere
4. ✗ All of the given options

Question Number : 102 Question Id : 10922235935 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Airy`s hypothesis is associated with the

Options :

1. ✓ Isostasy
2. ✗ continental drift

- ✘ Orogenic belt
- ✘ Gondwana land

Question Number : 103 Question Id : 10922235936 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The glossopteris flora occur in the following areas

Options :

- ✘ South America and Africa
- ✘ India
- ✘ Australia and Antarctic
- ✓ All of the given options

Question Number : 104 Question Id : 10922235937 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

How many very large crustal plates are present

Options :

- ✘ 8
- ✘ 9
- ✓ 7
- ✘ 10

Question Number : 105 Question Id : 10922235938 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

E- horizon in soil profile is also called

Options :

- ✘ surface soil
- ✓ sub soil
- ✘ c - horizon
- ✘ All of the given options

Question Number : 106 Question Id : 10922235939 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Fjords are associated with the

Options :

- ✓ glaciers
- ✘ winds
- ✘ rivers
- ✘ None of the given options

Question Number : 107 Question Id : 10922235940 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Drumlins are characterized by

Options :

- ✘ small hills
- ✘ smooth hills
- ✘ Elliptical hills
- ✓ All of the given options

Question Number : 108 Question Id : 10922235941 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Ground water occurs

Options :

1. ✘ Above the water table
2. ✔ below the water table
3. ✘ soil water zone
4. ✘ capillary zone

Question Number : 109 Question Id : 10922235942 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The water entrapped in sediments is known as

Options :

1. ✔ connate water
2. ✘ juvenile water
3. ✘ meteoric water
4. ✘ marine water

Question Number : 110 Question Id : 10922235943 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The specific yield and specific retention equal to

Options :

1. ✘ permeability
2. ✔ porosity
3. ✘ Transmissivity
4. ✘ storage coefficient

Question Number : 111 Question Id : 10922235944 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

permeability of the soil depends on

Options :

1. ✘ Hydraulic gradient
2. ✘ Inter connected pore spaces
3. ✘ fluid type
4. ✔ All of the given options

Question Number : 112 Question Id : 10922235945 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Best example of the aquifuge

Options :

1. ✔ massive rock
2. ✘ fractured rock
3. ✘ weathered rock
4. ✘ fractured rock and weathered rock

Question Number : 113 Question Id : 10922235946 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Recharge area is a region supplying water to a

Options :

1. ✘ unconfined aquifer
2. ✔ confined aquifer

3. ✘ leaky aquifer
4. ✘ non-leaky aquifer

Question Number : 114 Question Id : 10922235947 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The storage coefficient in a confined aquifer is

Options :

1. ✘ 0.001 - 0.01
2. ✘ 0.0001 - 0.001
3. ✘ 0.00001 - 0.0001
4. ✔ 0.00005 - 0.0005

Question Number : 115 Question Id : 10922235948 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Darcy's law is expressed in terms of

Options :

1. ✔ water flow rate
2. ✘ porosity
3. ✘ permeability
4. ✘ All of the given options

Question Number : 116 Question Id : 10922235949 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Hydraulic conductivity is expressed in

Options :

1. ✔ m/day
2. ✘ m²/day
3. ✘ m³/day
4. ✘ All of the given options

Question Number : 117 Question Id : 10922235950 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Resistivity of the rock is expressed in

Options :

1. ✘ micrometer
2. ✔ ohm meter
3. ✘ m².m
4. ✘ m.m

Question Number : 118 Question Id : 10922235951 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Screen size is the size of the seine which separates

Options :

1. ✘ 25% of the fine material
2. ✘ 35% of the fine material
3. ✔ 40% of coarse material
4. ✘ 45% of the coarse material

Question Number : 119 Question Id : 10922235952 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The permissible limit of total hardness in the drinking water is

Options :

1. ✓ 300 mg/l
2. ✗ 400 mg/l
3. ✗ 500 mg/l
4. ✗ 200 mg/l

Question Number : 120 Question Id : 10922235953 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

SAR stands for

Options :

1. ✗ soil and recharge
2. ✗ sodium absorption ratio
3. ✓ sodium absorption ration
4. ✗ All of the given options

Question Number : 121 Question Id : 10922235954 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Minerals are divided into the following groups depending upon the optical properties

Options :

1. ✗ Isotropic minerals
2. ✗ Anisotropic minerals
3. ✗ Uniaxial minerals
4. ✓ Isotropic minerals and Anisotropic minerals

Question Number : 122 Question Id : 10922235955 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What is the refractive index of Canada balsam

Options :

1. ✗ 1.44
2. ✓ 1.54
3. ✗ 1.64
4. ✗ 1.74

Question Number : 123 Question Id : 10922235956 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Mica plate is also called

Options :

1. ✓ Quarter wave plate
2. ✗ Sensitive tint plate
3. ✗ Quartz wedge
4. ✗ Gypsum plate

Question Number : 124 Question Id : 10922235957 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The interfacial angle is associated with the

Options :

1. ✗ minerals
2. ✗ rocks

- crystals
- None of the given options

Question Number : 125 Question Id : 10922235958 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The imaginary reference lines in the crystals are called

Options :

- interfacial angle
- crystallographic axes
- Zonal axes
- unit cells

Question Number : 126 Question Id : 10922235959 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What are the symmetry elements?

Options :

- plane of symmetry
- axis of symmetry
- centre of symmetry
- All of the given options

Question Number : 127 Question Id : 10922235960 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Each form of the normal class in a crystal system is called

Options :

- closed form
- Holohedral form
- open form
- All of the given options

Question Number : 128 Question Id : 10922235961 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Normal class of the triclinic system is

Options :

- Galena
- Calcite
- Axinite
- Gypsum

Question Number : 129 Question Id : 10922235962 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Groups of associated crystals are known as

Options :

- parallel growths
- crystal aggregates
- twin crystals
- quarter pyramids

Question Number : 130 Question Id : 10922235963 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The remains in deserts are preserved by

Options :

1. ✘ chemical process
2. ✔ exhausting of all moisture
3. ✘ physical process
4. ✘ oxidation process

Question Number : 131 Question Id : 10922235964 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Fossils can be used as

Options :

1. ✘ economic tools
2. ✘ climatic indicators
3. ✘ strati graphic indicators
4. ✔ All of the given options

Question Number : 132 Question Id : 10922235965 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The triangle opening in brachiopoda is called

Options :

1. ✘ Pedic
2. ✘ Isodont
3. ✔ Delthyrium
4. ✘ Umbo

Question Number : 133 Question Id : 10922235966 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The gastropod shells are made up of

Options :

1. ✘ Three valves
2. ✘ Two valves
3. ✔ one valve
4. ✘ Four valves

Question Number : 134 Question Id : 10922235967 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Trilobites are found in the following rocks

Options :

1. ✘ Cambrian
2. ✘ Precambrian
3. ✔ Paleozoic
4. ✘ Mesozoic

Question Number : 135 Question Id : 10922235968 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Graptolites are very useful index fossils of

Options :

1. ✔ Ordovician and Silurian
2. ✘ Carboniferous

3. ✘ Cretaceous
4. ✘ Permian and Triassic

Question Number : 136 Question Id : 10922235969 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Glossopteris is the name of

Options :

1. ✔ Genus
2. ✘ order
3. ✘ class
4. ✘ phylum

Question Number : 137 Question Id : 10922235970 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What are the applications of conodonts in

Options :

1. ✘ Palaeo - ecology
2. ✘ prio - stratigraphy
3. ✘ Hydrocarbon exploration
4. ✔ All of the given options

Question Number : 138 Question Id : 10922235971 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Amphibians first time came into existence in the

Options :

1. ✘ Jurassic - Cretaceous
2. ✔ Permo - Carboniferous
3. ✘ Ordovician
4. ✘ Cambrian

Question Number : 139 Question Id : 10922235972 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Benthonic foraminifera occurs during the

Options :

1. ✔ tertiary
2. ✘ cenozoic
3. ✘ Mesozoic
4. ✘ Palaeozoic

Question Number : 140 Question Id : 10922235973 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The shape of the skeleton of a simple coral is

Options :

1. ✔ conical
2. ✘ elongated
3. ✘ square
4. ✘ triangular

Question Number : 141 Question Id : 10922235974 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The structure of a delta deposit consists of

Options :

1. ✘ Bottom set beds
2. ✘ Fore set beds
3. ✘ Top set beds
4. ✔ All of the given options

Question Number : 142 Question Id : 10922235975 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

P - waves pass through

Options :

1. ✘ solids
2. ✘ liquids
3. ✔ solids and liquids
4. ✘ None of the given options

Question Number : 143 Question Id : 10922235976 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

A circular depression at the top of volcanic cone is called

Options :

1. ✔ crater
2. ✘ caldera
3. ✘ cone
4. ✘ vent

Question Number : 144 Question Id : 10922235977 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The basic unit in all silicate minerals is known

Options :

1. ✘ Inosilicate
2. ✔ Silicon- oxygen tetrahedron
3. ✘ Tectosilicate
4. ✘ Phyllosilicate

Question Number : 145 Question Id : 10922235978 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following is not the mineral of amphibole group

Options :

1. ✘ Tremolite
2. ✘ Actinolite
3. ✔ Muscovite
4. ✘ Hornblende

Question Number : 146 Question Id : 10922235979 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Basic rocks are also called

Options :

1. ✔ mafic rocks
2. ✘ Felsic rocks

3. ✘ Acid rocks
4. ✘ All of the given options

Question Number : 147 Question Id : 10922235980 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The following metamorphism takes place in the Katazone

Options :

1. ✘ regional
2. ✔ plutonic
3. ✘ cataclastic
4. ✘ Dynamic

Question Number : 148 Question Id : 10922235981 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

The characteristic minerals of the granulite facies are

Options :

1. ✘ Garnet
2. ✘ Hypersthene
3. ✘ Plagioclase
4. ✔ All of the given options

Question Number : 149 Question Id : 10922235982 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

What are the primary sulfide deposits

Options :

1. ✘ Copper
2. ✘ Lead
3. ✘ Zinc
4. ✔ All of the given options

Question Number : 150 Question Id : 10922235983 Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Types of dam are

Options :

1. ✘ Concrete
2. ✘ earth
3. ✘ arch
4. ✔ Concrete and earth