

MCQs of Engineering Geology

Question No. 01

Asbestos has got a Structure ?

- a. Foliated
- b. Fibrous
- c. Granular
- d. Bladed

Question No. 02

Dolomite is a Limestone containing carbonate of magnesia up to?

- a. 15%
- b. 20%
- c. 25%
- d. 45%

Question No. 03

Syenite & Andesite (silica 70-80%) are examples of:?

- a. Acidic igneous rocks
- b. Intermediate igneous rocks
- c. Basic igneous rocks
- d. Ultra-basic igneous rocks

Question No. 04

The color of the statuary marble used for the Sculptor's work is?

- a. Red
- b. Blue
- c. White
- d. Green

Question No. 05

All volcanic rocks are amply suitable for use as crushed stone because they are: ?

- a. Hard & tough
- b. Having high cementing property
- c. Resistant to Abrasion
- d. All the above

Question No. 06

Rocks resulting from the accumulation of plant & animal remains are known as:?

- a. Chemical deposits
- b. Fragmental rocks
- c. Organogenous rocks
- d. none of the above

Question No. 07

Quartzite is a:?

- a. Metamorphic rock
- b. Argillaceous rock
- c. Calcareous rock
- d. Silicious rock

Question No. 08

The rock used for the construction of the "Gateway of India" (in Mumbai) is: ?

- a. Light-coloured variety of trap rocks
- b. Granite of South India
- c. Charnockite of South India
- d. None of the above

Question No. 09

Troposphere is the lowermost atmospheric zone whose upper boundary lies at about: ?

- a. 115 km above the earth's surface
- b. 9 km and 18 km above the surface at the poles and equator respectively
- c. 700 km above the [earth's](#) surface
- d. None of the above

Question No. 10

The specific gravity of Quartz (SiO₂) lies between: ?

- a. 2.30-2.60
- b. 2.60-2.64
- c. 3.60-4.00
- d. None of the above

Question No. 11

Granite, Basalt, & Trap is:?

- a. Stratified rocks
- b. Unstratified rocks**
- c. Foliated rocks
- d. None of the above

Question No. 12

Kaolin is chemically classified as:?

- a. Metamorphic rock
- b. Argillaceous rock
- c. Calcareous rock**
- d. Silicious rock

Question No. 13

Upper boundary of the troposphere is known as: ?

- a. Tropopause
- b. Tropopause
- c. Tropopause
- d. None of the above

Question No. 14

Rocks formed by gradual deposition, are known as: ?

- a. Sedimentary rocks
- b. Igneous rocks
- c. Metamorphic rocks
- d. None of these

Question No. 15

The principal setback(s) of "Continental Drift Theory" lies in the fact that it is incapable of accounting for the: ?

- a. Presence of adequate force necessary for the process of drifting
- b. Exact reason for the commencement of the drift just after the Palaeozoic period
- c. All the above
- d. None of the above

Question No. 16

Kyanite has got a structure. ?

- a. Columnar
- b. Fibrous**
- c. Mammillary
- d. Reniform

Question No. 17

Schist may result from the metamorphic transformation of: ?

- a. Sandstone
- b. Shale**
- c. Conglomerate
- d. None of the above

Question No. 18

Peridotite is an example of: ?

- a. Acidic igneous rocks
- b. Metamorphic rocks
- c. Basic igneous rocks
- d. Ultra-basic igneous rocks**

Question No. 19

Rocks resulting from the deterioration of massive magmatic or sedimentary rocks are known as ?

- a. Chemical deposits
- b. Fragmental rocks**
- c. Organogenous rocks
- d. None of the above

Question No. 20

Limestone & Marble - on the basis of their chemical characteristics - may be classified as:?

- a. Calcareous rocks**
- b. Argillaceous rocks
- c. Silicious rocks
- d. None of the above

Question No. 21

Which of the following is true in relation to apparent &, true dip ?

- a. Apparent dip > true dip
- b. Apparent dip**
- c. Apparent dip > true dip
- d. True dip

Question No. 22

Which of the following statement is correct in the context of Gondwana system:?

- a. Middle Gondwana deposits are completely devoid of coal seams
- b. Lower Gondwana deposits contain the most important coal-bearing strata in the Indian stratigraphy.
- c. Upper Gondwana deposits contain a few coal seams
- d. All the above**

Question No. 23

Rocks for their use as road material should possess sufficient cementing value. Very coarse grained igneous rocks such as Pegmatite possess cementing property. ?

- a. Exceptional
- b. Excellent
- c. Good
- d. Very poor**

Question No. 24

Which of the following statements is true in the context of "seismology":?

- a. It is an off-shoot of geophysics
- b. It deals with the study of earthquakes in all their aspects
- c. All the above**
- d. None of the above

Question No. 25

The examples of sedimentary rocks resulting from the precipitation of salts in drying water basins are:?

- a. Dolomite, gypsum, & magnesite**
- b. Breccia, & sandstone
- c. Limestone, shale, & chalk
- d. All the above

Question No. 26

The specific gravity of Garnet lies between:?

- a. 2.60-3.50
- b. 3.50-4.30**
- c. 4.30-5.20
- d. None of the above

Question No. 27

Small rock sediments lying in the path of abrading winds become faceted and polished in one or more directions. Such wind-carved fragments in the deserts are called:?

- a. Ventifacts
- b. Driekenters
- c. All the above**
- d. None of the above

Question No. 28

Solidified or semi-solidified clots of lava which get thrown out along with other materials at the time of volcanic eruptions are known as:?

- a. Lapilli
- b. Volcanic bombs**
- c. Pyroclasts
- d. Magma

Question No. 29

Slate results from the metamorphic transformation of ?

- a. Limestone
- b. Sandstone
- c. Mudstone**
- d. None of the above

Question No. 30

When the induced pressure is due to the depth factor, the process of metamorphism is defined as the:?

- a. Contact metamorphism
- b. Metasomatism
- c. Load metamorphism**
- d. None of the above

Question No. 31

Ionosphere is the: ?

- a. Solid part of the earth
- b. Lowermost atmospheric zone
- c. Uppermost atmospheric zone**
- d. None of the above

Question No. 32

The idea of the wandering continents was first pictured by Wagner (1912) in his:

- a. Convection current hypothesis
- b. Planetesimal Hypothesis
- c. Continental drift theory**
- d. None of the above

Question No. 33

A mineral may sometimes show a definite and characteristic arrangement in its outer appearance or physical shape which is expressed by the form "structure". Gypsum, as such, has got a structure. ?

- a. Bladed
- b. Fibrous**
- c. Reniform
- d. Granular

Question No. 34

The maximum angle of slope of a bed (or layer of rock) with the horizontal is known as: ?

- a. Dip
- b. Strike
- c. Bedding
- d. None of the above

Question No. 35

The most suitable road material out of the following would be: ?

- a. Coarse-grained igneous rocks
- b. Volcanic rocks**
- c. Plutonic rocks
- d. Hypabyssal rocks

Question No. 36

Sedimentary rocks resulting from the accumulation of plant & animal remains are:

- a. Gypsum & magnesite
- b. Sand & gravel
- c. Limestone, chalk, & shale**
- d. All the above

Question No. 37

Petrology confines itself to the study of the: ?

- a. Petroleum products
- b. Formation of various groups of rocks & their compositions
- c. Features of the surface of the earth
- d. None of the above**

Question No. 38

A great majority of folds are modifications of the simple types known as anticlines and synclines. An anticline is a fold in which: ?

- a. The strata is up arched (i.e. it becomes convex upwards)
- b. The older rocks usually occupy a position in the interior (or core of the curvature)
- c. All the above**
- d. None of the above

Question No. 39

Specific gravity of Dolomite is about: ?

- a. 1.95
- b. 2.85**
- c. 3.20
- d. None of the above

Question No. 40

Pegmatite is a: ?

- a. Intrusive igneous**
- b. Extrusive Igneous rock
- c. Sedimentary rock
- d. Metamorphic rock

Question No. 41

In India, the Archaeans and the associated Dharwarian rocks cover a nearly area of the peninsula. ?

- a. 10%
- b. 30%
- c. 66%**
- d. 95%

Question No. 42

Solid materials (or pyroclasts) of different sizes are thrown out by 'volcanoes at the time of their eruptions. Pyroclasts consist of:?

- a. Volcanic blocks, lapilli, & volcanic dust**
- b. Volcanic dust & lapilli
- c. Lapilli
- d. None of the above

Question No. 43

Rocks formed from molten magma are known as:?

- a. Sedimentary rocks
- b. Igneous rocks**
- c. Metamorphic rocks
- d. None of these

Question No. 44

Stones used for rubble masonry must be:?

- a. Soft
- b. Hard
- c. High
- d. Heavy**

Question No. 45

Hardness & specific gr. of Pyrite lies between:?

- a. 6 - 6.50 & 4.90 - 5.20 respectively**
- b. 6 - 6.50 & 3.90 - 4.20 respectively
- c. 6 - 6.50 & 2.90 - 3.20 respectively
- d. None of the above

Question No. 46

Dunes are: ?

- a. Wind-deposits made up primarily of sand-grade particles
- b. Aeolian deposits
- c. All the above**
- d. None of the above

Question No. 47

Which of the following instruments may be used for the determination of the sp. gr. of minerals in geological laboratories: ?

- a. Walker's Steel Yard Balance
- b. The beam balance
- c. Jolly's spring balance
- d. All the above**

Question No. 48

When pure Limestone simply recrystallizes during the process of metamorphism without any new mineral formation, the resulting rock is: ?

- a. Dolomite
- b. Anorthite
- c. Marble**
- d. None of the above

Question No. 49

Lithosphere consists of: ?

- a. Atmosphere & crust
- b. Crust, mantle, & core**
- c. All the above
- d. None of the above

Question No. 50

Shingle is: ?

- a. Decomposed Laterite**
- b. Obtained by crushing Granite
- c. Water-bound pebbles
- d. Air-weathered rock