



1) Density of the core is highest because-

- a) due to heavy pressure of overlying rocks
- b) due to heavy temperature of overlying rocks
- c) due to heavy density of overlying rocks
- d) none of the above

Ans- a

2) The average density of the earth is-

- a) 2.3 gm/cm³
- b) 5.5 gm/cm³
- c) 17.2 gm/cm³
- d) 6.5 gm/cm³

Ans- b

3) Who discovered the core-

- a) Harold Jeffreys
- b) R.D Oldham
- c) Inge Lehman
- d) none of the above

Ans- b

4) The inner core is solid first proved by-

- a) Inge Lehman
- b) Suess
- c) Cavendish
- d) R.D Oldham

Ans- a

5) The source of the Earth's magnetic field is-

- a) outer mantle
- b) liquid outer core
- c) lower crust
- d) outer crust

Ans- b

6) On the basis of the satellite data the average density of the core of the earth is-

- a) 13 g cm³
- b) 12 g cm³
- c) 11 g cm³
- d) 10 g cm³

Ans-c

7) The core of the earth is made of the mixture of-

- a) Silica and nickel
- b) Nickel magnesium
- c) Silica and magnesium
- d) Nickel and iron

Ans-D

8) In the tectonically active areas, temperature remains _____at the depth of 43 km from the surface of the earth.

- a) 900° C
- b) 1000° C
- c) 1100 °C
- d) 1200° C

Ans-b

9) In the tectonically stable areas, temperature at the depth of 40 km from the surface remains at-

- a) 500° C
- b) 550° C
- c) 600° C
- d) 650° C

Ans- a

10) The asthenosphere is-

- a) Totally molten
- b) Partially molten
- c) Totally solid
- d) Partially solid

Ans-b

11) Which waves cannot pass through liquid materials?

- a) Primary waves
- b) Secondary waves
- c) Surface waves
- d) All of the above

Ans-b

12) Pg - SG waves were discovered by-

- a) Jeffrey's
- b) Conard
- c) Wegener
- d) Daly

Ans-a

13) Lithosphere is mostly composed of-

- a) Amphibolite
- b) Granite
- c) Basalt
- d) Peridotite

Ans-b

14) Who has recognised two major layers in the earth?

- a) Daly
- b) Sues
- c) Harold Jaffrey
- d) Arthur Holmes

Ans- d

15) On the basis of velocity, seismic waves are divided into_____sets of waves-

- a) six
- b) five
- c) four
- d) three

Ans-.d

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