

1. Bedding is defined as a sedimentary layering thicker than _____ cm
 - a.3
 - b. 1
 - c. 10
 - d.30

2. Cordierite can be distinguished from quartz by its
 - a. Biaxial character
 - b. marked alteration
 - c. composition
 - d. all of the above

3. A basic plutonic rock characterized by more orthopyroxenes is called
 - a. Norite
 - b. gabbro
 - c. dolerite
 - d. pyroxenite

4. Mylonite is an example of
 - a. thermal metamorphism
 - b regional metamorphism
 - c cataclastic metamorphism
 - d. burial metamorphism

5. The Jawahar tunnel in the state of Jammu and Kashmir is a:
 - a.Railway tunnel
 - b. Highway tunnel
 - c.Irrigation tunnel
 - d. Hydropower tunnel.

6. In deep tunnels the roof load is:
 - a.Very high
 - b. Medium
 - c.Insignificant
 - d. None of these

7. The fauna which comprises exclusively of active swimmers is described as

- a. Plankton
- b. Nekton
- c. Benthic
- d. Pelagic

8. Belemnites belong to the Phylum

- a. Chordata
- b. Mollusca
- c. Echinodermata
- d. Brachiopoda

9. Greywackes can be distinguished from Arkose by the

- a. Difference in their chemical composition
- b. Greater silica content
- c. Percentage of matrix and cement
- d. Ratio of rock fragments to feldspars

10. In cylindrical folds there will be

- a. One fold axis
- b. innumerable fold axis
- c. no fold axis
- d. none of the above

11. Minor faults associated with major faults dipping in the same direction are known as

- a. Synthetic faults
- b. antithetic faults
- c. slump faults
- d. growth faults

12. Magmatic water derived from mafic magma is rich in:

a. Cu, Cr, Ni, Pt, Mg

b. Au, Cu, Ag

c. Cr, Ni, Pt

d. None of the above

13. Which of the following does not belong to the Gondwana rock units

a. Barakar Formation

b. Panchet Group

c. Bhareli Formation

d. Niniyur Formation

14. Uniformitarianism was first described by

a. James Hutton

b. William Smith

c. Nicholas Steno

d. Robert Jones

15. Quartz shows _____ relief.

a. Low

b. Moderate

c. High

d. Very High