

Roll No.

B. E/ B. Tech. (Full Time) DEGREE END SEMESTER EXAMINATION, NOV/DEC 2011

CIVIL ENGINEERING BRANCH

THIRD SEMESTER

AG 9211-ENGINEERING GEOLOGY

(REGULATIONS 2008)

Duration: 3 hr

Max Mark: 100

Answer ALL Questions

Part A- (10 x 2 = 20 Marks)

1. What is Oasis?
2. What is River Meandering?
3. What is single chain silicate?
4. Write any two uses of Gypsum.
5. What is porphyritic texture?
6. What is Schist?
7. Define the term 'Dip'.
8. What are seismic waves?
9. What is Remote Sensing?
10. Write the types of Tunnels.

Part B-(5 x 16 = 80 Marks)

11. Write elaborately on weathering and types of weathering.
12. (a). Explain the physical properties of common rock forming minerals.
(Or)
(b). Explain the properties of Feldspar group of minerals.
13. (a). Explain the characteristics and engineering properties of Granite, Sandstone, Marble and Dolerite.
(Or)
(b). Write elaborately on the characteristics of Igneous, Metamorphic and Sedimentary rocks.
14. (a). Explain in detail with neat sketches on the classification of folds.
(Or)
(b). Explain in detail on the Schlumberger method of groundwater exploration
15. (a). Explain the causes of Landslides and remedial measures.
(Or)
(b). Write the role of geology in construction of Dams.