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DEGREE: B.E DEGREE EXAMINATIONS, April -2013
Branch: Geoinformatics
Semester: Third
Code No/ Subject: AG 9212 APPLIED GEOLOGY R-2008

Time: Three Hours

Max Marks: 100

Answer ALL Questions

PART – A (10 X 2 = 20 marks)

1. Describe the interior of the earth.
2. What is chemical weathering?
3. What are moraines?
4. Define denudation.
5. Give the physical properties of a silicate mineral.
6. Give an outline on distribution of economic minerals in Tamil Nadu.
7. Describe electrical resistivity survey.
8. How drainage pattern will indicate about occurrence of groundwater in an area?
9. What are the major causes of tsunami?
10. What is volcanic cone?

PART – B (5 X 16 = 80 marks)

11. Elaborate on the causes and methods of prevention of landslides.
12. a) Describe the various types of physical weathering of rocks.
OR
b) Discuss in detail about the geological structures.
13. a) Elaborate on the various fluvial and coastal landforms.
OR
b) Describe on the evolution of landforms associated with the work of wind and glaciers.
14. a) What are igneous rocks? Explain the properties of important igneous rocks.
OR
b) Describe the important rock forming minerals?
15. a) Describe the gravity and magnetic methods of geological exploration.
OR
b) Discuss in detail on the application of remote sensing methods in geological mapping.