

10/10/13

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B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV / DEC 2013

Geoinformatics

III Semester

2

AG 9212 Applied Geology

(Regulation 2008)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Name a few tectonic plates.
2. Describe the parts of a fold.
3. What are meanders and oxbow lakes.
4. What is a pediment?
5. List the properties of Orthoclase.
6. Name a few ores of iron and copper.
7. What is a geophone?
8. What is meant by the term "Geophysical Anomaly"?
9. Give a few examples of geologic hazards.
10. What is meant by the Circum Pacific Belt? How is it related to volcanism.

Part - B (5 x 16 = 80 marks)

11. List the important physical properties of minerals and describe each of them.
12. a) Give a detailed account of physical and chemical weathering of rocks.
(OR)
b) Classify folds and described each type in detail.
13. a) Give a detailed account of the landforms created by the action of rivers.
(OR)
b) Define drainage pattern and describe its types.
14. a) Explain in detail the procedure for groundwater exploration using electrical methods of prospecting.
(OR)
b) Explain how remote sensing can help in mineral resources inventory and exploration. Support your answer with case studies.
15. a) Classify natural hazards and describe the causes and effects of at least one of the hazards.
(OR)
b) Using case studies, explain the role of remote sensing in landslide studies.