

Roll No.

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B.E / B.Tech (Part Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2014

Civil Semester 2

PTAG8201 ENGINEERING GEOLOGY (Regulation 2013)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Write short note on Isoseismals.
2. Explain the construction of a Gravity Dam?
3. Write a note on Core Logs.
4. Write brief note on three types of plate boundaries.
5. What are the causes of chemical weathering?
6. Write a short note on Hornfels.
7. Explain types of cleavages in Amphiboles and Pyroxene minerals.
8. What is a Rift valley?
9. Write a short note on Groynes.
10. Write brief note on Soil settlement.

Part – B (5 x 16 = 80 marks)

11. Explain the constitution and properties of Mantle and Core of the Earth
 12. a) Give an account of physical and engineering properties of soil with significance of soil erosion, causes and control.
(OR)
b) Explain classification of sedimentary rocks giving suitable examples.
 13. a) Explain with the neat sketches principal types of Faults as recognized on the basis of apparent movement and mode of occurrence.
(OR)
b) Give salient features and mention important properties of Mica group of minerals.
 14. a) Explain Landslide, causes and mitigation with neat sketches.
(OR)
b) Explain with the help of neat sketches, important textures of Igneous rocks and also possible causes of their formation.
 15. a) Write a brief note on Joints in rocks, their causes and effects on the engineering quality and strength of rocks.
(OR)
b) Explain the Civil Engineering aspects of Earthquakes reviewing the problem and common approach to face it.
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