

BTS(C) – IV– 10 – 014 – J

B. Tech Degree IV Semester Examination, April 2010

CE 404 ENGINEERING GEOLOGY (2002 Scheme)

Time : 3 Hours

Maximum Marks : 100

(All Questions carry *equal* marks)

- I. Discuss the theory of "Plate Tectonics" in relation to explaining major geological processes.
OR
- II. How landslides are caused? Give the classification of landslides. How do the landslides are controlled?
- III. Describe the physical properties of any five minerals.
OR
- IV. Describe the different types of structures in metamorphic rocks. Add notes on the agents and types of metamorphism.
- V. Describe the classification of faults in detail. Also give the criteria for the recognition of a fault in the field.
OR
- VI. Define Dip and Strike. Explain the importance of dip and strike of a rock formation in Engineering constructions.
- VII. What are the different criteria used in the site selection for the construction of dams and reservoirs?
OR
- VIII. Explain the engineering properties of rocks in detail.
- IX. Give a brief account of the geological succession of Peninsular India. Add a note on the Territories of Kerala.
OR
- X. Describe the Petroleum and Coal deposits of India.

