

51019

Name :

Reg. No:



THIRD SEMESTER B.TECH DEGREE EXAMINATION, NOVEMBER 2013

(2009 Scheme)

CE 09 306/PTCE 09305 - ENGINEERING GEOLOGY

Time : Three Hours

Maximum : 70 Marks

PART A

Answer all Questions

5 x 2 = 10 marks

I.

- a. List out the types of Landslides ?
- b. Explain on volcanic products ?
- c. What is meant by Igneous rocks ?
- d. Discuss on Unconformities ?
- e. Define the term GIS ?

PART B

Answer any four Questions

4 x 5 = 20 marks

2. Explain on influence of Climate and Lithology on Weathering ?
3. Write a short note on Earth quake catalogue ?
4. Explain on engineering Properties of rocks ?
5. Discuss on the features of Limestone ?
6. Explain on quality of ground water ?
7. Write short note on geological factors to be considered in the design of buildings ?

PART C

Answer all Questions

4 x 10 = 40 marks

8. i. Explain in detail on Focus, Epicentre, Seismic waves, Magnitude, Intensity and intensity scale in connection with earthquake

(OR)

- ii. Write short notes on :
 - a) Weathering of rocks
 - b) Tsunamis and Floods

9. i. List out and explain the distinguishing features of Granite, Sandstone and Gneiss

(OR)

- ii. Write short notes on :
 - a) Quartz
 - b) Sedimentary rocks

10. i. Write short notes on :

- a) Folds
- b) Aquitards

[OR]

- ii. Write short notes on :

- a) Faults
- b) Saline water intrusion in coastal aquifers

11. i. Explain in detail on the various interpretation techniques in Remote sensing

[OR]

- ii. Discuss on the applications of geological knowledge in bridges and tunnel construction.
