

**D 70372**

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**THIRD SEMESTER B.TECH. (ENGINEERING) [09 SCHEME] DEGREE  
EXAMINATION NOVEMBER 2014**

**CE 09 306/PTCE 09 305—ENGINEERING GEOLOGY**

Time : Three Hours

Maximum : 70 Marks

**Part A**

*Answer all questions.*

1. What is meant by weathering of rocks ?
2. Define landslides.
3. What are the uses of quartz.
4. Define fault.
5. Define GIS.

(5 × 2 = 10 marks)

**Part B**

*Answer any four questions.*

6. Explain types of volcanism.
7. Write short notes on earthquake occurrence.
8. What is a sedimentary rock ? Give examples.
9. Discuss about folds.
10. Write short notes on artificial recharge of ground water.
11. Mention the applications of GIS.

(4 × 5 = 20 marks)

**Part C**

*Answer all questions.*

12. Explain in detail the earthquake recording instruments.

*Or*

13. Explain the secondary effects due to Tsunamis and Rock slides.
14. Compare and contrast the different types of rocks.

*Or*

15. Discuss the characteristics, features and applications of any *three* rocks as construction material.

**Turn over**

16. Explain about aquifers and aquicludes.

*Or*

17. Discuss the importance of ground water investigation for the construction of power plant structures

18. Explain the basic principles involved in remote sensing.

*Or*

19. Explain the role of remote sensing in Civil Engineering.

(4 × 10 = 40 marks)