

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE SEM-IV Examination-Nov/Dec-2011

Subject code: 142203

Date: 30/11/2011

Subject Name: Geology - II

Time: 02.30 pm -5.00 pm

Total marks: 70

Instructions:

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

- Q.1** (a) What are the magma and lava? What are Igneous Rocks? Explain the origin of igneous rocks. **07**
- (b) What are the Sedimentary rocks? Give the classification of sedimentary rock on the basis of their origin. **07**
- Q.2** (a) What is metamorphism? Write a short note on various types of metamorphism. **07**
- (b) Write a note on Schistosity in rocks. **07**
- OR**
- (b) What are mountains? Write a note on Tectonic mountains. **07**
- Q.3** (a) What are the Earthquakes? Write a note on Intensity and Magnitude of an Earthquake. **07**
- (b) Give the petrological characters and types of Sandstone. **07**
- OR**
- Q.3** (a) Write a note on Volcano and its products. **07**
- (b) What is Igneous Intrusion? List out different types of igneous intrusions. Describe Sills with neat sketches. **07**
- Q.4** (a) Discuss the preventive measures of landslides. **07**
- (b) Write a note on Lower Gondwana System **07**
- OR**
- Q.4** (a) List out the different geological factors influence at the tunnel site. Discuss any one. **07**
- (b) Give the economical importance of Mesozoic rocks of Gujarat. **07**
- Q.5** (a) Explain Inter-trappean beds and economics of Deccan traps. **07**
- (b) Explain origin of Indogangetic Alluvium. **07**
- OR**
- Q.5** (a) Write a note on Jurassic of spiti. **07**
- (b) Write a note on Cambrian of salt range. **07**
