

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-IV • EXAMINATION – WINTER 2013****Subject Code: 142203****Date: 26-12-2013****Subject Name: Geology-II****Time: 02.30 pm - 05.00 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 is Petrology? What are the types of rocks? Give classification in brief? **07**
(b) What is Earthquake? How is it measured? What are the effects of Earthquake? **07**
- Q.2** (a) Explain the structures of Igneous rocks. **07**
(b) Give the classification of Sedimentary rocks. **07**
- OR**
- (b) Explain the types of Metamorphism. **07**
- Q.3** (a) What is volcano? What are different types of volcano? **07**
(b) What is multigeneration folding? **07**
- OR**
- Q.3** (a) What are different processes of mountain building? **07**
(b) Write a note on Cambrians of salt range. **07**
- Q.4** (a) What are the geological factors influencing the tunnel excavation? **07**
(b) Write a note on Thar desert. **07**
- OR**
- Q.4** (a) Describe rocks: Syenite, Conglomerate and Schist. **14**
(b) What are the preventive measures for landslide?
- Q.5** (a) Write note on any two:-
1. Origin of Indogangatic plains.
2. Dykes and sills.
3. Seismic zones of India.
4. Types of Joint.
