

00149

**B.TECH. IN CIVIL ENGINEERING (BTCLEVI)**

**Term-End Examination**

**December, 2011**

**BICE-003 : ENGINEERING GEOLOGY**

*Time : 3 hours*

*Maximum Marks : 70*

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*Note : Attempt any five questions.*

*All questions carry equal marks.*

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1. (a) What are the geological problems to be faced after road construction is over ? 7  
(b) Give a general view of the internal structure of the earth as revealed by the seismological evidence. 7
2. (a) Discuss any seven physical properties of minerals. 7  
(b) What do you understand by the Age of the Earth ? Briefly describe the New Methods used in this regard. 7
3. (a) Define - Folds, Faults, Limbs, Hinge, Axis of a fold, Plunge of a fold, Strike. 7  
(b) What are sedimentary rocks ? Explain the mineralogical composition, of these rocks. 7

4. (a) Give an overview of Elements of correlation of stratigraphy of India. 7  
(b) Explain the chemical structures of sedimentary Rocks. 7
5. (a) What are the factors affecting marine erosion ? 7  
(b) Discuss the Geological profile suited for a tunnel project. 7
6. (a) What are Igneous Rock ? How are they formed in nature ? 7  
(b) Write a short note on : 7  
"The Silicate Group"
7. Write short notes on *any two* of the following :  
(a) Core 7  
(b) Volcanic Rocks 7  
(c) Angular Unconformity 7  
(d) Volcano 7
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