

**S. E. (Civil Engg.) (II Sem.) Examination, 2014**  
**ENGINEERING GEOLOGY**  
**(2012 PATTERN)**

**Time: Two Hours****Maximum Marks: 50**

- N.B. :-** (i) Solve/Write the Answers to any four questions in single answer book only.  
(ii) Neat diagrams must be drawn wherever necessary.  
(iii) Figures to the right indicate full marks.  
(iv) Assume suitable data, if necessary.

- Q. 1 a Explain various types of Metamorphism. 6  
b What is fold? Explain Symmetrical and Asymmetrical folds. 6

OR

- Q. 2 a Write a note on textures exhibited by plutonic igneous rock. 6  
b Explain the process of formation of Laterite and Bauxite. 6
- Q. 3 a Explain the terms Graded profile, Base level of erosion and their importance. 6  
b Describe drilling as a method of sub surface geological investigation. 6

OR

- Q. 4 a Write the characters of Archean and Dharwarian rocks of India 6  
b What are the uses of remote sensing in Civil Engineering? 6
- Q. 5 a On what different factors a dam site is selected? Explain. 7  
b Under what conditions leakage may occur in a tunnel? Explain 6

OR

- Q. 6 a Explain the various parameters of a good building stone. 7

- b What are the preventive measures against landslides? 6
- Q. 7 a Under what different geological conditions an artesian well can be formed in the nature? 7
- b What are different products of Volcanic eruptions? 6

OR

- Q. 8 a Describe important geological considerations while choosing alignment of Tunnel. 7
- b Write a feasibility of dam on dipping beds with sketches. 6