

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 100412

Roll No.

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**B.TECH.****Theory Examination (Semester-IV) 2015-16****ENGINEERING GEOLOGY****Time : 3 Hours****Max. Marks : 100****Section-A****1. Attempt All Questions. (2×10 = 20)**

- (a) What do you mean by Joints?
- (b) What do you mean by Subsurface Structures?
- (c) Define Seismic Zones?
- (d) What are Grouting?
- (e) Define Dip?
- (f) What do you know about Faults?
- (g) What do you mean by Folds?

(1)

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Define Stratification? Briefly describe the Lamination Bedding.

Name the different Seismic zones in which India is divided.

Explain the Behavior of Rocks Unconformity? Classify them related to Engineering Behavior.

What do you mean by Aquifers and Aquicludes? Explain their advantages and Disadvantages?

What is lamination bedding? Explain its effect on topography.

Define Underground Water? Describe its origin?

What do you mean by Landslides? Describe their Preventive Measures?

Write a brief note on Geological Studies in Civil Engineering?

Dams and Reservoir, tunnels, bridges and Highways?

(2)

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