

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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Dams and Reservoir, tunnels, bridges and Highways?

- (a) Define Stratification? Briefly describe the Lamination Bedding.
- (b) Name the different Seismic zones in which India is divided.
- (c) Explain the Behavior of Rocks Unconformity? Classify them related to Engineering Behavior.
- (d) What do you mean by Aquifers and Aquicludes? Explain their advantages and Disadvantages?
- (e) What is lamination bedding? Explain its effect on topography.
- (f) Define Underground Water? Describe its origin?
- (g) What do you mean by Landslides? Describe their Preventive Measures?
- (h) Write a brief note on Geological Studies in Civil Engineering?

(2)

(3)