

**B.TECH SEM - III (2007 COURSE) (CIVIL ENGG.) : WINTER -
2017**

SUBJECT: ENGINEERING GEOLOGY

Day : Monday
Date : 15/01/2018

Time : 10.00 AM TO 01.00 PM
Max. Marks : 80

W-2017-2358

N.B.

- 1) Question No. 1 and 5 are **COMPULSORY**.
 - 2) Attempt **ANY 2 MORE** questions from each section.
 - 3) Figures to the right indicate **FULL** marks.
 - 4) Draw neat diagrams **WHEREVER** necessary.
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SECTION - I

- Q.1** a) Describe in brief the textures of Igneous rocks. (05)
b) Explain in brief different types of mountains. (05)
c) Describe the economical importance of Dharwar system. (04)
- Q.2** Describe the classification of Igneous rocks. (13)
- Q.3** Explain all features developed due to river erosion. (13)
- Q.4** What is a fault? Describe different types of fault, with neat sketches. (13)

SECTION - II

- Q.5** a) Describe the perched water table. (05)
b) What is a core? How the core preservation is done at site. (05)
c) Treatment given to dyke crossing the alignment of Bridge pier. (04)
- Q.6** Explain in detail Geological conditions leading for the formation of Artesian wells. (13)
- Q.7** Describe the preliminary geological investigation for tunnel. (13)
- Q.8** Describe the preliminary geological Investigation for Dam. (13)

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