

GANPAT UNIVERSITY**B. TECH SEM- III (CIVIL) REGULAR EXAMINATION- NOV-DEC 2015**
2CI303: CONSTRUCTION MATERIALS AND ENGINEERING GEOLOGY**TIME: 3 HRS****TOTAL MARKS: 60**

- Instructions:** (1) This Question paper has two sections. Attempt each section in separate answer book.
(2) Figures on right indicate marks.
(3) Be precise and to the point in answering the descriptive questions.

SECTION: I

- Q.1 A How rocks are physically and chemically classified? Explain in detail. (05)
B Explain in detail the applications of geotextile in the field of civil engineering. (05)

OR

- Q.1 A Compare clamp burning with kiln burning. What are the requirements of good bricks? (05)
B Enlist different types of cement. Explain any two. (05)

- Q.2 A Classify the lime. Write down the uses of lime. (05)
B Explain the cross section of timber with neat sketch. (05)

OR

- Q.2 A Explain manufacturing process of tiles with neat sketch. (05)
B What is seasoning of timber? Enlist its objectives. (05)

- Q.3 A Explain the ingredients of oil borne paints. (05)
B Enlist properties of cement. Explain heat of hydration of OPC/Bogue compounds. (05)

SECTION: II

- Q.4 A What are the different terms used in work of natural agencies? Explain in detail. (05)
B What are the important geological considerations for site selection of dam? (05)

OR

- Q.4 A Define the terms- the stellar system, the solar system, star, geomorphology and petrology. (05)
B What is earthquake? What are the causes & classification of earthquake? (05)
- Q.5 A Explain the following terms with example- rudaceous rock, argillaceous rock, arenaceous rock, carbonate rock, ferruginous rock. (05)
B Discuss the fold in detail with its part and causes. (05)

OR

- Q.5 A What are the different types of structure of mineral? Explain with neat sketch (05)
B Discuss the following terms with sketches- plunging fold, vertical fault, horst fault, traverse fault, step fault. (05)
- Q.6 A Write a detail note on Indian mountain system. (05)
B What are the suitability of igneous, sedimentary, and metamorphic rock as engineering material? (05)

END OF PAPER