

GANPAT UNIVERSITY**B. TECH SEM- III (CIVIL) REGULAR EXAMINATION– NOV-DEC 2016**
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** Describe the development of geology. (05)
- B** Define the term dam. Enlist the different types of dams and give details of gravity dam with advantages and disadvantages. (05)

OR

- Q.1** **A** Explain the geological process of wind. (05)
- B** Discuss the objectives of geological investigation in tunnels. (05)

- Q.2** **A** Explain the geological investigation approaches in folds. (05)
- B** Define the following terms: (1) Fault plane (2) Heave and throw (3) Slip (4) Origin (5) Fold. (05)

OR

- Q.2** **A** Enlist the classification of faults and explain the classification based on apparent movement with neat sketch. (05)
- B** Write a short note on origin of joints. (05)
- Q.3** **A** Enlist the physical properties of minerals and explain the hardness property. (05)
- B** Explain carbonate minerals with appropriate value. (05)

SECTION: II

- Q.4 A Enlist the characteristics of a good building stone. (05)
B Explain in details the structure of a timber. (05)

OR

- Q.4 A Write a short note on tests for bricks to find out its suitability for the construction work. (05)
B Write a short note on natural process of seasoning of timber. (05)

- Q.5 A Write a short note on types of paints. (05)
B Enlist the various properties of plastics. (05)

OR

- Q.5 A What do you understand by varnish? Enlist the objectives and characteristics of an ideal varnish. (05)
B Define plaster of paris. Enlist its properties and uses also. (05)

- Q.6 A Compare fat lime and hydraulic lime. (05)
B Write a short note on manufacturing of cement by wet process. (05)

END OF PAPER