

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
M.Tech. Winter 2017 - 18 Examination

Semester: 1
Subject Code: 03216102
Subject Name: Construction Techniques

Date: 28/12/2017
Time: 02.00pm to 4.30pm
Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

- Q.1** A) Enlist types of Automation. Explain any one in Detail. (05)
B) Explain Basic Principles Of Modular Co-Ordination. (05)
C) Discuss Essential Requirements For Good Formwork. (05)

Q.2 Answer the following questions. (Attempt any three) (Each five mark) (15)

- A) Explain electro osmosis dewatering technique with diagram.
B) Discuss objectives of Modular Coordination.
C) What are the different types of concrete used in industrial structure? Explain any 2 in detail.
D) Write Short note on FIRE DAMAGE STRUCTURE and its assessment.

- Q.3** A) What is the configuration of industrial buildings? Explain with simple sketch. (07)
B) What types of Prefabrication structures you know from the degree of precast Construction, explain them in detail. (08)

OR

- B) Explain the design considerations of precast elements with proper suitable example. (08)

- Q.4** A) Enlist various tools available for available for evaluation of concrete structure. (07)

OR

- A) Discuss The Evaluation Procedure For Repair & Strengthening of Concrete Structure. (07)
B) Sketch Typical Slip Form System. State Functions Of Each Components of Slip formwork System. (08)