

Code: CE8T1

**IV B.Tech-II Semester–Regular/Supplementary Examinations–April 2017**

**CONSTRUCTION TECHNOLOGY AND PROJECT  
MANAGEMENT  
(CIVIL ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. a) How can construction management education improve the efficiency of the construction Industry in the future?  
7 M
- b) What is planning and why planning is very important in construction management ?  
7 M
2. a) Explain coffer dams and give their uses.  
7 M
- b) What is a milestone chart? How does it differ from bar chart?  
7 M
3. a) Explain the importance of network analysis techniques for effective project management.  
7 M
- b) What do you mean by PERT? What is its significance? Explain briefly?  
7 M

4. a) Differentiate between CPM and PERT. 7 M
- b) Explain the meaning of cost control and its importance. 7 M
5. a) What do you mean by resource smoothing? What are the steps involved for doing the resource smoothing? 7 M
- b) What are the importance of material management and what are its objectives? 7 M
6. a) Compare the characteristics and application of different types of earth excavating equipment. 7 M
- b) Describe the role of construction equipments in economical completion of large construction projects. 7 M
7. a) Explain the basic elements of quality with a flow diagram. 7 M
- b) Write a brief note on the “IS codes” that are available regarding safety in construction. 7 M
8. a) Define the terms. 7 M
- (i) Organization
  - (ii) Management

(iii) Management Information system and, thus, give an outline of MIS.

b) List out the requirements of management information system.

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