

Code: 9A01710

R09

B.Tech IV Year I Semester (R09) Regular & Supplementary Examinations December 2015

CONSTRUCTION TECHNOLOGY & PROJECT MANAGEMENT

(Civil Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Explain how total cost of the project is influenced by safety aspects in construction industry.
(b) Write a short note on code and regulation.
- 2 (a) Explain different types of fabrication techniques.
(b) What are the different types of concreting? Explain them.
- 3 (a) What is mechanized construction?
(b) Discuss briefly different types of construction equipments and their applications.
- 4 (a) Explain blasting patterns and firing sequences.
(b) What type of precautions to be taken before going to blasting?
- 5 (a) What are the objectives of scheduling?
(b) What are the classifications of networks?
- 6 (a) Explain the terms of activity, dummy activity and critical path.
(b) What are the activities involved in planning?
- 7 (a) What do you mean by PERT? Explain its significance and plot a neat sketch for different time estimates.
(b) What are uses of beta distribution curve?
- 8 The following table gives activities of a construction project. From this (find or draw).
(i) Draw the net work for project.
(ii) Critical path.
(iii) Estimate the free float, total float and independent float for each activity.

Activity	Duration (months)
A – B	20
A – C	25
B – C	10
B – D	12
C – D	6
D – E	10
