

Code: 9A01710

R9

B.Tech IV Year I Semester (R09) Supplementary Examinations, May 2013

CONSTRUCTION TECHNOLOGY & PROJECT MANAGEMENT

(Civil Engineering)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Briefly explain about construction estimating.
(b) What is meant by productivity and mechanized construction?
(c) Discuss about quality and safety.
- 2 (a) Mention the methods of construction and explain about various types of construction materials.
(b) Describe about false work and temporary works in detail.
- 3 (a) Differentiate between confined excavation and sloped excavation.
(b) Mention the types of dredgers deployed for dredging operation and explain about water injection dredger.
- 4 (a) What is the difference between the percussion drilling and rotary drilling? Discuss it with neat diagrams.
(b) Write a detailed note on conventional smooth blasting.
- 5 Write short notes on the following:
(a) Project planning.
(b) Scheduling and controlling.
(c) Role of decision in project management.
- 6 (a) Discuss about dummy and network rules.
(b) Briefly explain about planning for network construction modes and steps in development of network.
- 7 (a) Differentiate between the frequency distribution and probability distribution in detail.
(b) Describe about latest allowable occurrence time.
- 8 For the network shown on the following figure the time estimates (in days) each for activity are mentioned. Determine the probability of completing the project in 35 days.


