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Question Paper Code : 41019

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Seventh Semester

Civil Engineering

080100050 – CONSTRUCTION MANAGEMENT

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. State the importance of Construction management.
2. What are the objectives of a Project?
3. Define preliminary estimates.
4. State any one wages act.
5. Define CPM and PERT.
6. What are the components of a project network?
7. What are the rules for submission of Tenders?
8. Mention the necessity for quality control in construction industry.
9. What are the types of accounts?
10. Define M-book and Cash book.

PART B — (5 × 16 = 80 marks)

11. (a) Explain the functions of construction management and its relevance to Government departments and private contracting firms.

Or

- (b) Explain the merits and demerits of different types of organizations and hierarchy of organization with neat sketches.

12. (a) Explain the various steps involved in the preparation of progress report and chart for a construction project with a typical example.

Or

- (b) Write a detailed note on the following :

(i) Approval and sanction of budgets (8)

(ii) Labour legislation and minimum wages act. (8)

13. (a) The network shown in Figure. Q.13a has the estimated duration for each activity marked. Determine the types of floats for each activity and establish the critical path.

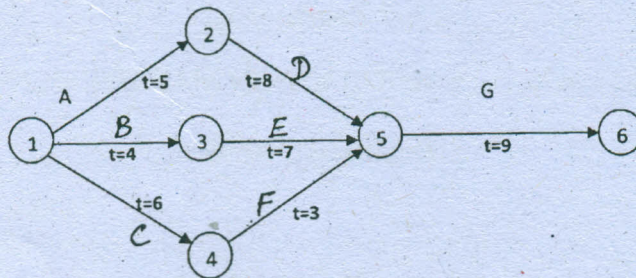


Figure. Q.13a

Or

- (b) Explain the limitations and remedial measures of Gantt bar Chart with neat sketches.

14. (a) (i) Describe the importance of safety in construction site. Mention the fire safety measures to be provided in the construction site. (8)

(ii) Explain the safety measures to be undertaken in the construction site. (8)

Or

- (b) Write a detailed note on :

(i) Tender Documents and processing of tenders. (8)

(ii) Types of contracts. (8)

15. (a) Explain the systematic procedure for preparation of project completion report and certificates with a typical example.

Or

- (b) Write a detailed note on :

(i) Stores and maintenance procedure adopted in PWD (8)

(ii) Types of bills and budget estimate. (8)