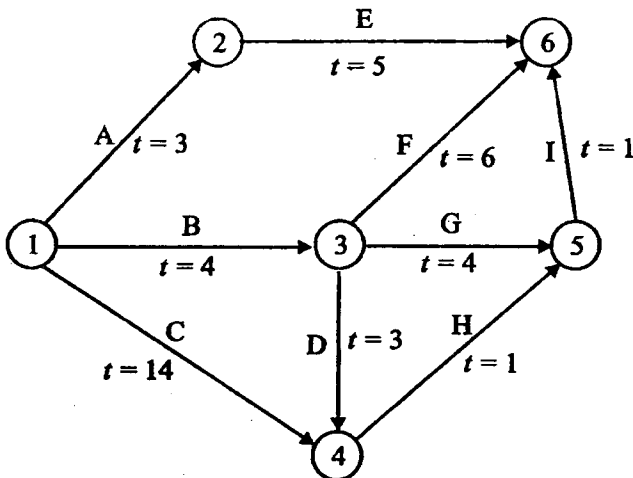


Roll No.

CE-701**B. E. (Seventh Semester) EXAMINATION, June, 2009****(Civil Engg. Branch)****CONSTRUCTION PLANNING AND MANAGEMENT***Time : Three Hours**Maximum Marks : 100**Minimum Pass Marks : 35*

Note : Attempt any *five* questions. All questions carry equal marks.

1. (a) Describe the difference between CPM and PERT network. 5
- (b) The network shown below has the estimated duration for each activity marked. Determine the total float for each activity and establish the critical path : 15



- (a) Describe meaning and significance of the following terms used in network analysis : 10
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- (i) Cost slope
 - (ii) Dummy activity
 - (iii) Expected time
- (b) What type of personal management problems are likely in construction projects ? How effectively these can be solved with available management tools ? 10
- (a) How is the size of a power shovel selected in a project ? Define the output of a power shovel and list down the factors which affect the output. 10
- (b) Discuss the main objectives and functions of construction management. 10
- (a) Explain contract document and list down its contents. 6
- (b) Discuss various types of contracts for execution of civil engineering works. 8
- (c) Describe securing deposits and earnest money briefly. 6
- (a) Write detailed specification for the following : 10
- (i) 1st class brick masonry
 - (ii) Plain concrete of M-20.
- (b) What is the measurement book ? How are the measurement recorded in it ? 5
- (c) Describe the function of temporary imprest and permanent imprest. 5
- (a) Explain the various welfare facilities required in a construction project. 8

rgpvonline.com (b) Explain the provisions of the Minimum Wage Act, 1948 (as amended in 1986).

(c) Describe the condition of labour in India in all respects.

7. (a) Explain briefly the salient points and purpose of the following :

(i) Notice inviting tender

(ii) Technical sanction

(iii) Tender drawing

(iv) Working drawing

(b) Explain briefly the departmental procedure for the execution of a civil engineering project work.

8. Write short notes on any *four* of the following :

(i) Liquidated damage

(ii) Types of estimator

(iii) Types of hoisting equipments

(iv) Waiting line models and their application

(v) Running and Final bills

(vi) Site order book