

Total No. of printed pages = 3

CT-603/CPM/6th Sem/2014/N

**CONSTRUCTION AND PROJECT
MANAGEMENT**

Full Marks – 70

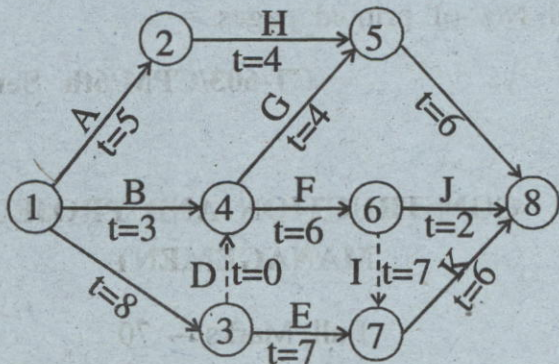
Pass Marks – 28

Time – Three hours

The figures in the margin indicate full marks for the questions.

1. The network of a certain project is shown with estimated durations of various activities. Determine the following :
 - (a) Earliest event time and latest event time.
 - (b) Earliest and latest start and finish time of each activity.
 - (c) Total and free floats for each activity.
 - (d) Critical path for the network. 10

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2. Describe the important factors to be considered in construction management. 10

3. (a) Explain inspection and quality control of construction project. 5

- (b) What do you mean by cost control in a project? What are the factors to be considered in cost control records? 5

4. Differentiate between the following : $5 \times 2 = 10$
 - (i) Activity and event
 - (ii) Optimistic time and pessimistic time
 - (iii) Bar chart and milestone chart
 - (iv) Most likely time and expected mean time
 - (v) Total float and free float.

5. Describe the advantages of CPM over PERT. 10
6. Write short notes on following : 2×5=10
- (i) Labour law and labour welfare
 - (ii) Inventory management.
7. Briefly explain the following : 5×2=10
- (i) Organization
 - (ii) PWD accounts
 - (iii) Scientific management
 - (iv) Latest finish time
 - (v) Total float.