

Total No. of printed pages = 4

CT-3203/C&PM/6th Sem/2013/M

CONSTRUCTION AND PROJECT MANAGEMENT

Full Marks – 100

Time – Three hours

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

Answer any *five* questions.

1. (a) What is project management ? Explain the need of management in a project. 10
- (b) Explain PERT networks and the various time estimates used for its computations. 10
2. (a) With a suitable example explain site and construction management. 10
- (b) What is Milestone chart ? Explain its limitations. 5

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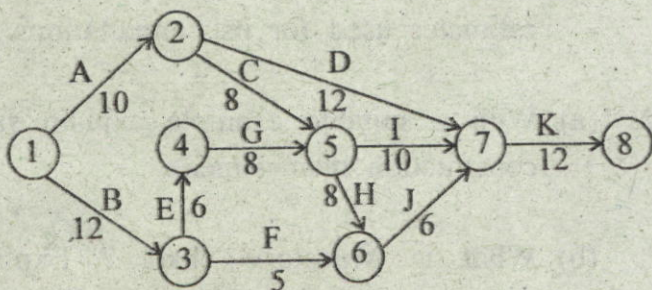
(c) What are the elements of a network ? Explain them. 5

3. (a), Explain the following : 5×2=10

- (i) Earliest start time
- (ii) Earliest finish time
- (iii) Latest start time
- (iv) Latest finish time
- (v) Total float

(b) Prepare a combined tabular computation for earliest event time (T_E) and latest event time (T_L), for the network shown in the figure.

10



4. (a) What are the main features of P.W.D system of accounts ? Explain them briefly. 10
- (b) What are the factors that affect the construction cost of a particular proposed project ? Explain them. 10
5. (a) List out the cost control records maintained for various items. 5
- (b) What are pre-tender stage and post-tender stage ? 5
- (c) Explain need, scope and aspect of construction management. 10
6. (a) Describe the advantages of CPM. 5
- (b) Write short notes on : 5×3=15
- (i) Scientific management
- (ii) Organisations
- (iii) Labour welfare.

7. (a) The network for a certain project is as shown in figure. Determine the expected time for each of the path. Which path is critical ?

20

