B. Tech.

(SEM. VI) EXAMINATION, 2006-07

CONSTRUCTION MANAGEMENT

Time : 2 Hours] [Total Marks : 50

Note : Attempt all questions.

1 Attempt any four parts of the following : 3.5×4 = 14

(a) What do you understand by work breakdown structure?

(b) State Fulkerson’s rule for numbering the nodes in a network.

(c) What is a float and how is it useful in a CPM network?

(d) Differentiate between PERT and CPM network

(e) What do you understand by work breakdown structure? What is its importance in network planning?

(f) Write the steps to determine critical path in a PERT network.
2 Answer any two parts of the following: \(2 \times 6 = 12\)
   (a) Define:
       (i) Capitalized cost
       (ii) Rate of Return
       (iii) Sinking fund
       (iv) Deferred annuities
       (v) Obsolescence
       (vi) Book value
   (b) Discuss the cash flow control of a project.
   (c) Describe the basic system of cost control.

3 Answer any two parts of the following: \(2 \times 6 = 12\)
   (a) Discuss the merits and demerits of lump sum contract.
   (b) Describe the conditions of contract.
   (c) What is the departmental procedure for execution of a civil engineering project?

4 Answer any two parts of the following: \(2 \times 6 = 12\)
   (a) What do you understand by arbitration? What are the advantages of arbitration?
   (b) What do you understand by motion study? What are its objectives?
   (c) Explain:
       (i) Unbalanced tender
       (ii) Global tender
       (iii) Work order.