B.E. sem 8 (Rev.)
I.T.

Project Management

02/12/08

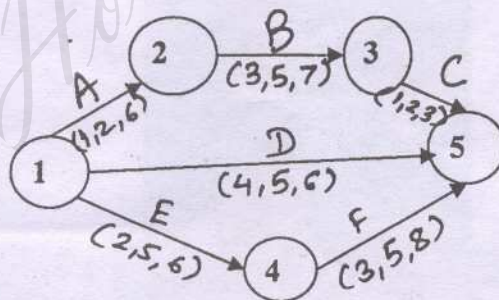## Con. 5248-08.

RC-7748

(REVISED COURSE)

(3 Hours)   [Total Marks : 100]

N.B. : (1) Question No.**1** is **compulsory**.
(2) Attempt any **four** questions out of remaining **six** questions.
(3) **All** questions carry **equal** marks.
(4) Assume **suitable data** if **necessary**.

1. (a) Differentiate between CPM and PERT. Describe how GERT overcomes the limitations   10
of PERT/CPM.
(b) Explain the difference between :—   10
(i) Total Slack and free slack
(ii) AON and ADA Diagrams.

2. (a) Explain Concurrent Engineering in detail.   10
(b) For the following networks given (a, m, b) for each activity, compute :—   10
(i) t_e and V for each activity
(ii) ES, EF, LS and LF for each activity
(iii) T_e and V_p for the project.

3. (a) Explain the six-steps involved in the process of managing risk.   10
(b) Explain how Gantt-chart can be used for planning and controlling small projects ?   10
What are the limitations of Gantt-Chart ?

4. (a) Outline the steps in IGPS and explain what do you understand by IGPS (Inter-group-   10
problem solving)
(b) What is feasibility study ? Explain its types, contents and purpose.   10

5. (a) Explain the difference between a statement of works and a contract statement of work and work requisition or work order. — 5

   (b) Explain the difference between Open and closed systems and between Human made and natural systems. — 5

   (c) Explain the system development cycle in detail. — 10

6. (a) Describe cause-and-effect diagram. Explain with any suitable example. — 10

   (b) Explain in detail contents of project master plan with examples. — 10

7. Write Short Notes on any **two** :— — 20

   (a) PMIS

   (b) W.B.S.

   (c) Quality Function Deployment

   (d) Project Contracting.

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