

Con. 5248-08.

RC-7748

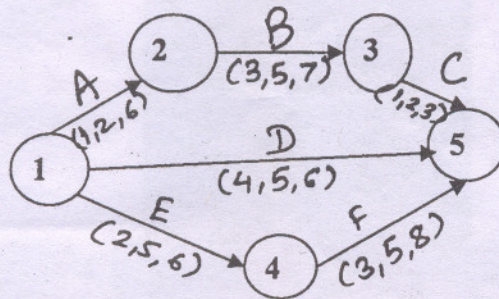
(REVISED COURSE)

(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 of PERT/CPM. 10
- (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-problem solving) 10
- (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.