

(3 Hours)

[Total Marks: 80]

- N.B.: (1) Q. No. 1 is compulsory  
 (2) Answer any THREE questions from the remaining questions.  
 (3) Figures to the right indicate full marks.  
 (4) Illustrate answers with neat sketches where ever required.

1. Write short note on. (Any Four) 20
  - (a) Necessity of Project Management
  - (b) Forming & Storming
  - (c) Top-down & Bottom-up Budgeting
  - (d) Goldratt's critical chain
  - (e) Team Management
  - (f) Multicultural & virtual Projects
  
2. (a) Describe Project phases and stage gate process in brief. 10  
 (b) Explain process for Project portfolio and Project Charter. 10
  
3. (a) The time estimates in weeks for the activities of a PERT network are given in Table below: 10

Activity	Optimistic time (to)	Most likely time (tm)	Pessimistic time (tp)
A-B	1	1	7
A-C	2	5	8
A-D	2	2	8
C-E	3	6	15
D-E	1	4	7
E-F	2	5	14
B-F	2	5	8

- (i) Draw the network diagram.
  - (ii) Calculate the earliest start (ES) and latest start (LS) for all the activities.
  - (iii) Determine the project completion time.
  - (iv) Calculate the standard deviation and variance of the project.
- (b) Explicate the Project Management Information System (PMIS). 10

4. (a) Explain the Qualitative and Quantitative risk assessment with suitable examples. **10**
- (b) The monitoring system is the direct connection between project planning and control. Why is this true? Discuss.
5. (a) How should a committee decide which termination method to use? Suggest with suitable examples. **10**
- (b) How ethics in projects are looked upon for successful government's project completion? Illustrate with suitable example. **10**
6. (a) Describe Pure, Functional and Matrix Project Organization with examples. **10**
- (b) List the advantages of using an "empowered team" for planning. What conditions must be met for these advantages to accrue? **10**
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