

**[Time: 3 Hrs]**

**[ Marks: 80 ]**

Please check whether you have got the right question paper.

- N.B:
1. Q. No.1 is compulsory
  2. Answer any three of the remaining five questions
  3. Assume suitable data, if necessary

**Q. 1** Write Short notes on following (Any Four) **(20)**

- i. Risk Breakdown Structure (RBS)
- ii. Virtual project teams
- iii. Scoring models of project selection
- iv. Project Audit
- v. Top down and Bottoms up budgeting.

**Q.2** a) Why meetings are useful in project monitoring? What rules should be followed to maximize effectiveness of meetings? **(05)**

b) Explain the four stages of team development and growth? **(05)**

c) What is crashing of a project? Explain with a small example the process of crashing **(10)**

**Q. 3** a) Explain how percentage completion with respect to time vary in Case of typical and atypical project life cycles, explain using examples **(05)**

b) What are the risk response strategies for negative risks (threats) and positive risks (opportunities) **(05)**

c) A software development project at day 30 exhibits an actual cost of Rs.87,000/- and the scheduled cost of Rs. 81,000/-. The software manager estimates a value of completed work of Rs. 90,000/-. What are the cost and schedule variances and CSI? Estimate the time variance assuming linear relation between time and cost **(10)**

**Q. 4** a) Who are the stakeholders in project? Why communication is most important part of project manager's job? **(10)**

b) Why project manager's role is more of a facilitator rather than a supervisor? **(10)**

**Q. 5** a) Following are the time and cost details of the project **(15)**

Activity	Predecessor	Normal Time	Crash Time	Normal cost	Crash cost
A	--	2	1	10000	15000
B	--	8	5	15000	21000
C	A	4	3	20000	24000
D	B	1	1	7000	7000
E	B	2	1	8000	15000
F	C,D	5	3	10000	16000
G	E	6	2	12000	36000

Find the minimum possible time of the project and the minimum cost associated with it

b) Explain the Goldratt's critical chain method? **(05)**

- Q. 6** a) What is work breakdown structure (WBS)? If you are co-ordinator to organise a one week student training workshop in your college write down a WBS for this project. (10)
- b) List and briefly describe the ways projects may be terminated. What are some non technical reasons for project termination? (10)

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