

2 Consider the following data of the project :

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Activity	Normal Time (Weeks)	Normal Cost (Rs.)	Crash Time (Weeks)	Crash Cost (Rs.)
1-2	7	600	4	840
1-3	11	200	9	First day : Rs 70 Second day : Rs 80
2-3	10	800	8	1000
2-4	6	500	4	760
2-5	16	100	9	380
3-4	6	200	4	360
3-5	9	500	4	960
4-5	8	300	5	500

If the indirect cost per week is Rs. 300, find the optimum crashed project completion time.

3 Explain the modern tools and techniques available for project management. 16

4 Explain the following terms in project management : (any four) 16

- (i) Dummy Activity
- (ii) Critical path
- (iii) Interfering float
- (iv) Optimistic time
- (v) Pessimistic time
- (vi) Most likely time

SECTION - II

5 Write a detail note on Project life cycle. 18

6 Is Managing a project system any different from other manufacturing and service systems ? Justify your answer with suitable examples. 16

- 7 What are the desirable characteristics/Competencies of project manager ? **16**
- 8 Write short notes : : Any **Two** **16**
- (i) Gantt Chart
 - (ii) Project Crashing
 - (iii) Cost Break down structure.
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