

ii) If the indirect cost per week is Rs.50, then crash the project for minimum time duration at minimum cost.

11. Discuss a typical tender document, keeping the interest of the firm issuing the tender in mind.
12. What are techniques of effective project control? Discuss in detail.

Activity	Duration (Weeks)	Normal Cost (Rs.)	Crash Cost (Rs.)
1-2	2	200	400
2-3	3	30	30
2-4	3	40	380
3-5	7	700	810
3-6	4	200	300
4-7	0	0	0
5-8	4	400	410
6-8	4	400	400
7-8	10	1000	1500

(Following Paper ID and Roll No. to be filled in your Answer Book)

Paper ID :140752

Roll No.

B.Tech.

(SEM. VII) THEORY EXAMINATION, 2015-16

PROJECT MANAGEMENT

[Time:3 hours]

[Maximum Marks:100]

Section-A

1. Attempt all parts. All parts carry equal marks. Write answer of each part in short. (10×2=20)
- Define the term 'Project'.
 - What is feasibility study? Name the different stages.
 - What is earnest money deposit (EMD)?
 - How functional organization works?
 - Name the different components of cost in an industrial project.
 - What are various aspects of technical appraisal?
 - What do you understand by dangling?
 - Write Fulkerson's rule for numbering.

- (i) Draw a CPM network diagram for the following project.

Activity	Preceding Activity	Duration (Week)
A	-	11
B	-	3
C	-	5
D	A	0
E	A	2
F	B	1
G	B	12
H	E,F	6
I	D,H	7
J	E	3

- (j) Discuss the complexity of project scheduling with limited resources.

Section-B

Attempt any five parts from this section: (10×5=50)

2. Explain taxonomy of projects.
3. Explain the different sources from which new projects can be formed?
4. What are techniques of effective project control?
5. How do the ideas of the 'seamless enterprise' differ from those functional and matrix management?

6. What is organization structure? How organization structure is being selected?
7. What is meant by 'Project appraisal'? Discuss.
8. What are the essential requirements of project management software? List some of packages available.
9. Discuss precedence diagramming method with example.

Section-C

Attempt any two questions from this section: (2×15=30)

10. i) For the table given draw the network diagram. Find out critical path and also find out project duration.

Activity	Normal		Crash		Cost Slope
	Time (C)	Cost (a)	Time (d)	Cost (b)	(b-a)/(c-d)
	Weeks		Weeks		100
1-2	3	300	2	400	
2-3	3	30	3	30	0
2-4	7	420	5	580	80
2-5	9	720	7	810	45
3-5	5	250	4	300	50
4-5	0	0	0	0	0
5-6	6	320	4	410	45
6-7	4	400	3	470	70
6-8	13	780	10	900	26.66
7-8	10	1000	9	1200	200