

B.TECH. SEM -VI ELECTRONICS 2014 COURSE (CBCS) :
SUMMER - 2018
SUBJECT : PROJECT MANAGEMENT & FINANCE

Day : **Friday**
 Date : **08/06/2018**

S-2018-2426

Time : **02.30 PM TO 05.30 PM**
 Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.
- 4) Assume suitable data if necessary.

Q.1 What do you mean by project management? Discuss the objectives of project management. [10]

OR

How do you plan a project? With suitable example, explain the process of planning a project.

Q.2 Consider the following data: [10]

Activity	Predecessor (s)	Duration (weeks)		
		a	m	b
A	---	3	5	8
B	---	6	7	9
C	A	4	5	9
D	B	3	5	8
E	A	4	6	9
F	C, D	5	8	11
G	C, D, E	3	6	9
H	F	1	2	9

- a) Construct the project network.
- b) Find expected duration and variance of each activity.
- c) Find critical path and expected project completion time.

OR

Describe the phases of project management and hence discuss the guidelines for constructing a project work.

Q.3 Consider the data of a project as shown in the following table: [10]

Activity	Normal time (weeks)	Normal cost (Rs.)	Crash time (weeks)	Crash cost (Rs.)
1 - 2	8	800	5	950
1 - 3	5	500	3	700
1 - 4	9	600	6	1050
2 - 5	10	900	8	1300
3 - 5	5	700	3	1100
3 - 6	6	1200	5	1500
4 - 6	7	1300	5	1400
5 - 7	2	400	1	500
6 - 7	4	500	2	900

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

P.T.O.

OR

With a suitable example, discuss the cost trade-off in project crashing

Q.4 What is mean by project management application software? Explain with suitable example. [10]

OR

Write in brief :

- i) Contract management
- ii) Project procure management

Q.5 What is meant by financial management? Discuss the scope and objectives of financial management. [10]

OR

What are the different sources of finance? Give suitable examples.

Q.6 Define and explain the following terms: [10]
i) Working capital
ii) Working capital cycle
iii) Working capital management

OR

Explain the functions of stock market and corporate bond market.

* * * *

080618-e-engineering-pune