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END TERM TEST

SUMMER SEMESTER - JULY 2016

B.Tech 6 Semester

COURSE CODE: 10B11PD611

MAX. MARKS: 50

COURSE NAME: Project Management

COURSE CREDITS: 3

MAX. TIME: 2 Hrs

*Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.*

1. What are Planning premises? Why is it critical for the project manager to understand these? (5 marks)
2. Highlight some important factors for improving the process of cost estimation. (5 marks)
3. Discuss briefly the three types of project control models. (5 marks)
4. What are the pros and cons of project crashing? (5 marks)
5. Contrast between termination by addition vs. termination by integration. (5 marks)
6. Given the following data. Draw an AOA network. Compute the critical path and event slacks. (10 marks)

Activity	Time (days)		
	<i>a</i>	<i>m</i>	<i>b</i>
1-2	6	8	10
1-3	5	6	7
1-4	6	6	6
2-6	0	0	0
2-7	10	11	12
3-6	12	14	16
4-5	5	8	11
4-9	7	9	11
5-6	8	10	12
5-9	0	0	0
6-7	14	15	16
6-8	10	12	14
7-10	9	12	15
8-10	0	4	14
9-11	5	5	5
10-11	7	8	9

7. Given the following data. Develop the complete time cost schedule. (10 marks)

Activity	Pre-decessor	Normal Time	Normal Cost	Crash Time	Crash Cost
a	—	5	\$50	3	\$150
b	—	4	40	2	200
c	b	7	70	6	160
d	a, c	2	20	1	50
e	a, c	3	30	—	—
f	b	8	80	5	290
g	d	5	50	4	100
h	e, f	6	60	3	180

8. Given the following information calculate the critical ratio and comment on the situation of each activity. (5 marks)

Activity	Actual progress (days)	Scheduled Progress (days)	Budgeted cost (Rs.)	Actual cost (Rs.)
A	8	8	110	80
B	6	4	100	100
C	4	6	70	45
D	2	2	45	65
E	4	8	70	70