

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST-3 EXAMINATION- JUNE -2016

B.Tech 6 Semester

COURSE CODE: 10B11PD611

MAX. MARKS: 35

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. All subparts have to be attempted in continuity. Networks have to be drawn with utmost clarity, else would result in loss of marks.

Q1. Given the following information. Draw an AOA network and compute- event slacks and activity slacks. (3+ 2+2 = 7marks)

Activity	Predecessor	Duration
A	-	2
B	-	1
C	A	3
D	A,B	2
E	C,D	1
F	B,D	3
G	E,F	1

Q2. Draw an AON network and compute the probability of completion – (a) in 55 days (b) in 44 days. (2 + 3 = 5 marks)

Activity	Predecessor	Optimistic Time	Most likely time	Pessimistic time
A	-	4	6	8
B	A	5	7	15
C	A	4	8	12
D	B	15	20	25
E	B	10	18	26
F	C	8	9	16
G	E	4	8	12
H	D,F	1	2	3
I	G,H	6	7	8

Q3. The following data was obtained from a study of the times required to conduct a consumer test panel Study. Find the normal cost schedule and the complete cost-duration schedule. (6 marks)

Activity	Crash Schedule		Normal Schedule	
	Time	Cost	Time	Cost
1-2: City center	3	\$6	5	\$4
1-3: City northeast	1	5	5	3
2-4: City south	5	7	10	4
3-4: City southeast	2	6	7	4
2-6: City west	2	5	6	3
4-6: County east	5	9	11	6
4-5: County north	4	6	6	3
6-7: County south	1	4	5	2
5-7: County west	1	5	4	2

Q4. Given the following information, which activities are on time, which are early, and which are behind schedule? (2 marks)

Activity	Budgeted Cost (Rs.)	Actual Cost (Rs.)	Critical Ratio
W	60	40	1.0
X	25	50	0.5
Y	45	30	1.5
Z	20	20	0.67

Q5. Goldratt (author) contended that systemic problems plague project performance instead of random ones. Comment and support your answer with three key aspects on the same. (3 marks)

Q6. Write short notes on the following (4X3 marks)

- Stewardship of organizational assets – a major control aspect
- Varieties of project termination
- Benchmarking – as a control tool
- Scope management