

Roll No. _____

University of Pune
Department of Management Sciences (PUMBA)
Executive MBA
2nd Year External Exam May - 2013
403(D) ADVANCE PROJECT MANAGEMENT PAPER

Time: 2.30 hrs

Marks: 50

Instructions to Students:

- **Attempt any 4 questions:**
- **Each question carries equal marks:**
- **Assume suitable data wherever required.**

1. What is Matrix Organization structure? Give its characteristics with its advantages and disadvantages.
2. Explain V model for software project management. Compare the same with waterfall model.
3. What is concurrent project management? Compare the same with sequential project management.
4. Prepare network Diagram and find minimum duration of the project and minimum cost if the fixed cost is Rs. 1800 per day

Activity	Preceding Activity	Normal Duration (Days)	Crash days	Normal cost	Crash Cost
A	-	9	7	13500	16100
B	-	6	5	6000	7500
C	A	8	6	6400	7800
D	B	8	6	6400	7200
E	C	12	9	8400	9900
F	D	6	5	4800	6000
G	E, F	7	5	4900	5500
H	G	5	4	5500	6000
I	G	5	4	5500	7200
J	H,I	4	3	4000	4500

5. Considering following data calculate CV, SV and TV if the review is done after 10 days and the actual money spent by his time was Rs. 80,000.

ACTIVITY	DURATION IN DAYS	COST PER DAY (Rs.)	work completed by review time
1 - 2	2	5000	complete
1 - 3	4	10000	complete
2 - 4	1	2000	complete
3 - 5	4	3000	half
4 - 6	7	1000	half
4 - 7	3	6000	Not Started
5 - 8	5	2000	Not Started
6 - 9	4	7000	Not Started
7 - 9	3	8000	Not Started
8 - 9	6	2500	Not Started

6. For the following project detail do the scheduling and find the number of days required to complete the project considering availability of 4 persons per day only.

ACTIVITY	PRE. ACTIVITY	DURATION/ Day	PERSONS REQD. / day
A	—	2	2
B	—	1	2
C	—	1	3
D	A	3	1
E	B	1	3
F	C	2	2
G	D,E,F	1	3
H	G	3	3
I	G	1	1
J	G	2	1
K	J	1	2
L	I	1	3
M	H	2	2
N	M,K	1	1
P	L,N	1	3