

Savitribai Phule Pune University
Department of Management Sciences (PUMBA)
Executive MBA
2nd Year (Semester –IV) External Exam April- 2015
403(D) – : ADVANCE PROJECT MANAGEMENT

Time: 2hrs.

Marks: 50

Instructions to candidates:

- Attempt any 3 questions out of 1st 4: Each question carries 10 marks:
- Q. No. 5 is compulsory and is for 20 Marks:
- Assume suitable data wherever required.

1. 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. 130,000. Also find revised cost and time estimate for the project.

ACTIVITY	DURATION IN DAYS	TOTAL COST (Rs.)	Status on day 10
1 - 2	3	30,000	Complete
1 - 3	4	20,000	Complete
2 - 4	2	16,000	Complete
3 - 5	4	32,000	Half Completed 40 %
4 - 6	7	70,000	Completed
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

2. For the following project detail prepare network diagram, find critical path and 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	3
B	-	1	1
C	-	1	3
D	A	3	2
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

3. ABC Ltd. Has forecasted 50 Weeks duration for a project and Rs. 20, 00,000. They have anticipated 8 different risks related to the project and collected data as per following:

RISK	RISK IMPACT - TIME IN WEEKS	RISK IMPACT - COST IN RS. THOUSAND	RISK LIKELIHOOD FACTOR
A	4	60	0.5
B	6	30	0.4
C	8	60	0.8
D	5	40	0.2
E	3	90	0.6
F	10	0	0.7
G	0	80	0.8
H	5	70	0.3

Find risk consequence and revised project cost and time estimate.

4. What is Functional organization structure? How does it differ compared to Pure project organization structure? Explain.
5. Write short notes on any 2 of the following:
- Types of contracts based on terms of payment.
 - Project life cycle
 - Work breakdown structure
 - PERT versus CPM