

Dr. Babasaheb Ambedkar Open University
Term End Exam August – 2010

Course Code : DOR-03 Roll No. _____
Subject : PERT and CPM Marks : 70
Date : 03-08-2010
Time : 11:00 to 02:00

Note : All questions carry equal marks.

Que 1: Write short notes on any two of the following.

- 1) Resource Smoothing.
- 2) Project Crashing.
- 3) Project Scheduling with uncertain activity times.
- 4) Forward pass method.

Que 2: What is PERT and CPM? What is the basic difference between PERT and CPM?

OR

Explain the different phases of project management.

Que 3: Explain significance of using PERT and CPM.

OR

Describe PERT and CPM network components and precedence relationships.

Que 4: Describe errors and dummies in network.

OR

Explain critical path analysis.

Que 5: Draw network diagrams from the following list of activities for Sunny Ltd.

Activity	Predecessor Activity		
	Set1	Set2	Set3
A	-	-	-
B	-	-	-
C	-	-	-
D	A	A	A
E	B	A,B	A,B
F	B,C	A,B,C	B,C
G	D,E,F	D,E,F	C
H	E,F	F	D,E,F

OR

(P.T.O)

Que 5: An architect has been awarded a contract to prepare plans for an urban renewal project for Europe Ltd. The jobs consists of the following activities and their estimated times:

Activity	Description	Immediate Predecessors	Time(days)
A	Prepare Preliminary Sketches	-	2
B	Outline specifications	-	1
C	Prepare drawings	A	3
D	Write Specifications	A,B	2
E	Run off print	C,D	1
F	Have specification	B,D	3
G	Assemble bid packages	E,F	1

- A) Draw an arrow diagram for this project.
 B) Indicate the critical path, and calculate the total float and free float for each activity.

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