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Reg. No: ☐☐☐☐☐☐☐☐☐☐

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech III Year II Semester Regular Examinations August-2022
PROJECT PLANNING AND CONTROL
(Open Elective-IV)

Time: 3 hours   Max. Marks: 60

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

1	**a**	What is the role of Decision making in project Management? Explain.	L1	6M
	b	Explain about project life cycle.	L2	6M

OR

2	**a**	Write down the Difference between CPM and PERT networks.	L1	6M
	b	The Activity Breakdown for a certain project is as under.	L1	6M

Activity	1	2	3	4	5	6	7
Duration(weeks)	1	2	4	3	1	2	4

Activity 2 & 3 can be done concurrently and both must follow activity 1.Activity 2 must precede activity 4.activity 5 cannot begin until both activities 2&3 are complete. Activity 6 can be started only after activities 4 & 5 complete. Activity 7 is the last activity which can be started only after completion of activity 5.Prepare the bar chart.

UNIT-II

3	**a**	Explain about network graphical guide lines for network.	L1	6M
	b	Explain about network rules and cycles.	L2	6M

OR

4	**a**	Discuss about the steps in development of network.	L2	6M
	b	Classify the modes of network construction.	L1	6M

UNIT-III

5	What is meant by probability distribution curve? Differentiate clearly between normal probability distribution curve and beta distribution.	L2	12M

OR

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6	The network for a certain project is shown in figure. Determine the expected time for each of the path . Which path is critical ?	L3	12M
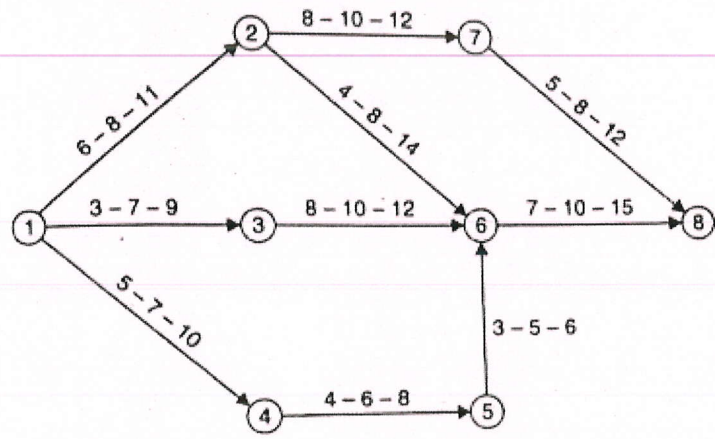
UNIT-IV

7	a	Briefly explain about Activity time estimate.	L1	6M
	b	Define Latest start time and Latest finish time.	L2	6M

OR

8	The network for a certain project shown in fig , along with the estimated duration's of various activities .Determine the fallowing. i) Earliest event time and Latest event time ii) Earliest and latest start and finish times of each activity	L3	12M
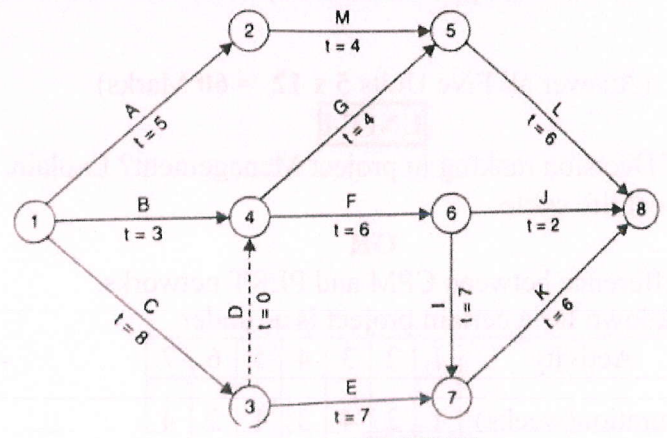
UNIT-V

9	a	Explain about Indirect project cost and Direct project cost.	L2	6M
	b	Explain slope of direct cost curve.	L2	6M

OR

10	a	Discuss about i) Resources smoothing ii) Resources Leveling.	L2	6M
	b	What are the steps involved in the process of updating.	L1	6M

*** END ***