JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT TEST -2 EXAMINATION- 2024

B.Tech-V Semester (CE)

COURSE CODE (CREDITS): 18B1WCE531(3)

MAX. MARKS: 25

COURSE NAME: CONSTRUCTION TECHNOLOGY AND MANAGEMENT

COURSE INSTRUCTORS: Mr. Kaushal Kumar

MAX. TIME: 1 Hour 30 Minutes

Note: (a) All questions are compulsory.

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Questions					CO	Mark
Q1	What are the Benefits of the Critical Path Method, Also Discuss about its limitations and drawbacks? Differentiate between CPM and PERT.					CO- 2	5
Q2		of a certain pro Float (c) Project 2 D 2		identify critic		CO- 2, CO- 4	6
Q3	(a) What do you understand by updating? Why is it essential?(b) Explain different methods of time-cost optimization of project network. What is Crashing?					CO- 2, CO- 4	4
Q4	From the given table below, find project's minimum cost and time corresponding to min. cost.						
	Activity	Normal Duration	Normal Cost (Rs.)	Crash Duration	Crash cost (Rs.)		
		(weeks)	7000	(weeks)	Visita s	CO- 2, CO- 4	Delice India
	1 - 2	7	7000	3	14500		5
	1-3	8	4000	5	8500		
	2 - 3	5	6000	1	9000		
	2 - 4	5	8000	3	15000		
	3 - 4	6	5000	3	11000		HET HE CONTROL
	The overhead cost of project is Rs. 3000 per week. Draw time-scale curve for each stage.						

