JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT TEST -1 EXAMINATION- 2025

M.Tech-I Semester

COURSE CODE (CREDITS): 10M11CE113 (3)

MAX. MARKS: 15

COURSE NAME: Construction Planning and Control

COURSE INSTRUCTORS: Akash Bhardwaj

MAX. TIME: 1 Hour

Note: (a) All questions are compulsory.

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

for solving problems

Q.No	A the other was not become		Quest	ion		1 1 000	Marks	
Q1	List the main	phases of a	construc	tion pr	oject lifecycle	and briefly	3	
moneantes mon	describe them							
Q2	For a 1 km road construction project, draw the work breakdown							
	structure for the following activities –							
	Road Construction Project -							
	Site Preparation (Clearing and Grubbing, Earthwork and Leveling)							
	Sub-base and Base (Granular Sub-base, WBM Base Layer)							
	Surfacing (Bituminous Macadam, Asphalt Concrete)							
	Finishing Works (Road Markings, Signboards and Drainage)							
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Q3.	For the following activities, draw Gantt chart –							
		Activity Predecessor Duration						
		Activity	Predec	essor	Duration 3			
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Q4.	Draw the AOA	network dia	gram for	the fo	llowing table –		3	
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	as under –					
		Event	Immediate Predecessor			
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