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BCV501

Fifth Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025
Construction Management and Entrepreneurship

Time: 3 hrs. Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

		Module – 1	M	L	C
Q.1	a.	Explain in detail construction project formulation.	10	L2	CO1
	b.	The activity data of a project is given below: Activity / Preceding activity / Duration (Days) A / - / 05 B / - / 15 C / - / 09 D / A / 06 E / C / 04 Draw the network diagram, identify the critical path, project duration and free float.	10	L3	CO1
		OR			
Q.2	a.	What is Work Breakdown Structure (WBS)? Mention its significance in construction project.	10	L2	CO1
	b.	Below given table pertains to the list of activities and their time estimates of a job: Activity / Event / Optimistic time (days) / Most likely time (days) / Pessimistic time (days) A / 1 – 2 / 3 / 7 / 10 B / 1 – 3 / 4 / 8 / 13 C / 2 – 4 / 2 / 2 / 07 D / 3 – 4 / 5 / 8 / 10 Draw the network and critical path. What is the expected completion time with the probability of 85%? (Take probability factor Z = 1.038)	10	L3	CO1
		Module – 2			
Q.3	a.	Discuss on Class of Labour. What are the key factors of minimum wages act 1948?	10	L2	CO2
	b.	List the factors affecting Labour productivity? Briefly discuss any three factors.	10	L2	CO2
		OR			
Q.4	a.	Enumerate the factors to be considered for selection of Construction Equipment.	10	L2	CO2
	b.	Explain material management and inventory management.	10	L2	CO2
		Module – 3			
Q.5	a.	Explain types of procurement and procurement planning.	10	L2	CO3
	b.	Explain the sustainable procurement management.	10	L2	CO3
		OR			
Q.6	a.	Explain the different types of construction contracts.	10	L2	CO3
	b.	Define contractor and subcontractor. Explain the effective sub contractor management.	10	L2	CO3

Module – 4					
Q.7	**a.**	Explain the process of construction project quality management.	**10**	**L2**	**CO4**
	b.	Explain the safety measures adopted during construction.	**10**	**L2**	**CO4**
OR					
Q.8	**a.**	Explain Safety Management and Risk Management.	**10**	**L2**	**CO4**
	b.	Explain the terms: i) Facilities Management ii) Occupancy certificate	**10**	**L2**	**CO4**
Module – 5					
Q.9	**a.**	Explain the different characteristics of a Successful Entrepreneur.	**10**	**L2**	**CO5**
	b.	Explain 5M model and communication skills.	**10**	**L2**	**CO5**
OR					
Q.10	**a.**	Explain the Business Planning process, Marketing Plan and Financial Plan.	**10**	**L2**	**CO5**
	b.	Explain the role and significance of venture capital.	**10**	**L2**	**CO5**

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