

U.S.N.									
--------	--	--	--	--	--	--	--	--	--

B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

May / June 2025 Semester End Main Examinations

Programme: B.E.

Semester: VIII

Branch: Industrial Engineering and Management

Duration: 3 hrs.

Course Code: 22IM8HSPRM

Max Marks: 100

Course: Project Management

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data, if any, may be suitably assumed.

Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.			UNIT - I	CO	PO	Marks
	1	a)	Explain the meaning of a Project? How different firms categorize projects?	CO1 CO2	PO3	10
		b)	What is Project Life Cycle Curve? How does it help in assessing a multi-storeyed housing project?	CO2 CO3	PO2 PO3	10
			OR			
	2	a)	Explain the phases of a Project Life Cycle Curve and their significance is evaluating the progress of project as well as adjusting a time schedule with an illustration.	CO1 CO2	PO3	10
		b)	List and explain the key aspects of Project Visibility and their impact on the completion of a project.	CO2 CO3	PO2 PO3	10
			UNIT - II			
	3	a)	Highlight the importance of each of the Project Planning Steps in execution of a building project for an industrial plant.	CO3 CO4	PO2 PO3	10
		b)	How to reevaluate and refine the objectives and goals of a project adopting SMART framework? Explain.	CO2 CO3	PO2 PO3	10
			OR			
	4	a)	What is Project Cost Estimation? Explain the steps involved in making a complete Project Cost Estimation.	CO1 CO2	PO3	10
		b)	A firm intends to build a captive generating plant of 2MW for its own use. How do you evaluate a project's profitability?	CO3 CO4	PO2 PO3	10

		UNIT - III			
5	a)	Do project managers face a dilemma between authority they enjoy and the responsibilities that they carry upon themselves in an organization? Explain the situation that leads to a contradiction between the two.	CO3 CO4	PO2 PO3	10
	b)	List and explain different types of Project Organizations and their advantages with an example for each?	CO1 CO2	PO3	10
		OR			
6	a)	Explain the accountability challenges faced by the Project manager? Are they avoidable? Explain.	CO1 CO2	PO3	10
	b)	How to execute a contract? Explain the 3 R's of contract.	CO2 CO3	PO2 PO3	10
		UNIT - IV			
7	a)	Discuss the various tools and techniques used in Project Management.	CO1 CO2	PO3	10
	b)	List and explain briefly any five software tools used for Project scheduling and Coordination.	CO2 CO3	PO2 PO3	10
		OR			
8	a)	Explain any four tools specifically used for Project Execution Planning.	CO1 CO2	PO3	10
	b)	Explain key features of any five software Tools used for productivity control in project management.	CO2 CO3	PO2 PO3	10
		UNIT - V			
9	a)	List and explain the key performance indicators or metrics of Project Management.	CO1 CO2	PO3	10
	b)	What is project audit in project management? Explain.	CO2 CO3	PO2 PO3	10
		OR			
10	a)	What are the guidelines for Project Audit? Explain with reference to a mini water treatment plant for a housing complex project.	CO4 PO5	CO2 PO3	10
	b)	How to evaluate the work of a Project Team? Explain the steps devised by a project manager for this purpose.	CO4 PO5	CO2 PO3	10
