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# 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.

			<b>UNIT - I</b>		<b>CO</b>	<b>PO</b>	<b>Marks</b>
<b>Important Note:</b> Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.	1	a)	Explain the meaning of a Project? How different firms categorize projects?		CO1 CO2	PO3	<b>10</b>
		b)	What is Project Life Cycle Curve? How does it help in assessing a multi-storeyed housing project?		CO2 CO3	PO2 PO3	<b>10</b>
<b>OR</b>							
	2	a)	Explain the phases of a Project Life Cycle Curve and their significance in evaluating the progress of project as well as adjusting a time schedule with an illustration.		CO1 CO2	PO3	<b>10</b>
		b)	List and explain the key aspects of Project Visibility and their impact on the completion of a project.		CO2 CO3	PO2 PO3	<b>10</b>
			<b>UNIT - II</b>				
	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	<b>10</b>
		b)	How to reevaluate and refine the objectives and goals of a project adopting SMART framework? Explain.		CO2 CO3	PO2 PO3	<b>10</b>
<b>OR</b>							
	4	a)	What is Project Cost Estimation? Explain the steps involved in making a complete Project Cost Estimation.		CO1 CO2	PO3	<b>10</b>
		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	<b>10</b>

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

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