

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE – SEMESTER- VII EXAMINATION-SUMMER 2023****Subject Code: 3171506****Date: 22/06/2023****Subject Name: Project Management****Time: 10:30 AM TO 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		<b>MARKS</b>
<b>Q.1</b>	(a) Explain the three objectives of a project.	<b>03</b>
	(b) Write the advantages of project formulation.	<b>04</b>
	(c) Explain the life cycle of projects.	<b>07</b>
<b>Q.2</b>	(a) Explain the roles of the project team.	<b>03</b>
	(b) Explain about functional organizational structure.	<b>04</b>
	(c) Write a short note on Project management as a Profession.	<b>07</b>
<b>OR</b>		
	(c) Explain roles and responsibilities of Project Manager.	<b>07</b>
<b>Q.3</b>	(a) Write steps to calculate Expected opportunity loss.	<b>03</b>
	(b) Explain top-down approach for budgeting.	<b>04</b>
	(c) Explain about the cost estimating.	<b>07</b>
<b>OR</b>		
<b>Q.3</b>	(a) Explain any three elements of project planning.	<b>03</b>
	(b) Write down the characteristics of work breakdown structure	<b>04</b>
	(c) Explain about RACI matrix in detail.	<b>07</b>
<b>Q.4</b>	(a) Explain the terms (1) Activity (2) Event (3) Merged event	<b>03</b>
	(b) Explain about the distribution curve for PERT	<b>04</b>
	(c) Explain about the Gantt Process charts with its limitations.	<b>07</b>
<b>OR</b>		
<b>Q.4</b>	(a) Explain the terms (1) Project buffer (2) Feeding buffer (3) Recourse buffer	<b>03</b>
	(b) Explain any four problems for Resource allocations.	<b>04</b>
	(c) Explain the factors affecting to resource loading	<b>07</b>
<b>Q.5</b>	(a) Define Scope Creep and write any two causes of scop creep.	<b>03</b>
	(b) Write advantages of data reporting.	<b>04</b>
	(c) Explain earned value chart in details with diagram	<b>07</b>
<b>OR</b>		
<b>Q.5</b>	(a) Explain the terms (1) General Audit (2) Detailed audit (3) Technical audit	<b>03</b>
	(b) Differentiate between the Pre-project evaluation and Post project evaluation.	<b>04</b>
	(c) Explain Project termination process in detail.	<b>07</b>