

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII EXAMINATION – SUMMER 2025

Subject Code:3171506

Date:12-05-2025

Subject Name: Project Management

Time: 02:30 PM TO 05:00 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.

	MARKS
Q.1 (a) Explain the life cycle of project.	03
(b) Differentiate between Project management and General management.	04
(c) Explain project portfolio process.	07
Q.2 (a) Explain any three project manager selection criteria.	03
(b) Write planning process-Nuts and Bolts.	04
(c) Explain work breakdown structure of project.	07
OR	
(c) Explain functional organizational structure in detail along with its advantages and disadvantages.	07
Q.3 (a) Write steps to calculate expected monetary value.	03
(b) Explain bottom-up approach for budgeting	04
(c) Discuss about the budget uncertainty.	07
OR	
Q.3 (a) Differentiate between CPM and PERT	03
(b) Explain Gantt chart.	04
(c) Explain the Fulkerson's rule for numbering of nodes.	07
Q.4 (a) Define project termination and explain any one factor considered in terminating the project.	03
(b) Explain Pre-project evaluation, Ongoing evaluation and Post-project evaluation.	04
(c) Explain different types of project termination.	07
OR	
Q.4 (a) Describe about crashing of Networks.	03
(b) Describe about the financial control in brief.	04
(c) Explain steps of project audit.	07
Q.5 (a) Define:(1) Project buffer (2) Feeding buffer (3) Resource buffer	03
(b) Describe about the physical asset control in brief.	04
(c) Explain briefly about resource loading.	07
OR	
Q.5 (a) Define the following terms of Cost analysis: (1) Normal Time, (2) Crash time, (3) Normal Cost	03
(b) Differentiate between Direct cost and Indirect cost.	04
(c) Explain Goldratt's critical chain.	07
