

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER- VII EXAMINATION – SUMMER 2026

Subject Code:3171506

Date:22-05-2026

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) Define the following term (1) Project (2) Project Management.	03
	(b) Differentiate between the project management and general management.	04
	(c) Explain the different stages of project formulation in details.	07
Q.2	(a) Enlist the main roles and responsibilities of project manager.	03
	(b) Enlist the Non numeric methods used in project selection and explain any one method in details.	04
	(c) Enlist the different criteria for selection of project manager and explain any three criteria in details.	07
	OR	
	(c) Explain the project based organizational structure in details and state its advantages and disadvantages.	07
Q.3	(a) Differentiate between the Top-down and Bottom-up approach of budgeting.	03
	(b) Explain the characteristics of work breakdown structure.	04
	(c) Explain the different forms of work breakdown structure in details.	07
	OR	
Q.3	(a) Enlist the steps to create the work breakdown structure.	03
	(b) Explain the different types of project uncertainty in details.	04
	(c) Enlist the methods used in quantitative risk analysis and explain any two methods in details.	07
Q.4	(a) Define the following term (1) Burst event (2) Merge event	03
	(b) Explain the different types of float.	04
	(c) A project schedule has the following characteristics as shown in the table:	07

- 1) Construct the network diagram.
- 2) Compute earliest and latest event time.
- 3) Find the critical path.

Activity	Time (weeks)
1-2	4
1-3	1
2-4	1
3-4	1
3-5	6
4-9	5
5-6	4
5-7	8

6-8	1
7-8	2
8-10	5
9-10	7

OR

- Q.4 (a)** Define the following term (1) Resource loading **03**
(2) Resource leveling.
- (b)** Explain the importance of resource allocation in project management. **04**
- (c)** Explain the factor affecting the resource loading and consequences of the overloading of the resources in details. **07**
- Q.5 (a)** Enlist the different types of report used for data reporting in and explain any one type of report briefly. **03**
- (b)** Explain the earned value chart in details with diagram. **04**
- (c)** Define the term “Scope creep” and Explain the causes of scope creep in details. **07**

OR

- Q.5 (a)** Explain the objectives of project evaluation. **03**
- (b)** Differentiate between financial audits and project audits. **04**
- (c)** Explain the different factors considered for terminating the project and different types of project termination. **07**
