

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII (NEW) EXAMINATION – WINTER 2022****Subject Code:2170611****Date:03-01-2023****Subject Name:Infrastructure Engineering And 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.

		MARKS
Q.1	(a) Explain in detail aims and objectives of project management.	03
	(b) Explain in detail responsibilities of project manager in large scale construction project.	04
	(c) Explain in brief various phases of project planning.	07
Q.2	(a) What is the difference between Security Deposit and Earnest Money Deposit?	03
	(b) Describe source of Financing.	04
	(c) Explain in brief different types of risk involved in a large scale construction project.	07
	OR	
	(c) What is work schedule? What are the purposes and objective of preparing work schedule?	07
Q.3	(a) Explain in brief screening of Project.	03
	(b) Define Infrastructure and Explain types of infrastructure.	04
	(c) Explain in brief general overview of infrastructure development history in India.	07
	OR	
Q.3	(a) Explain in details Project Scope Management.	03
	(b) Explain the tools and techniques required for scope change control.	04
	(c) Discuss the procedure of critical path method analysis with the help of simple example.	07
Q.4	(a) Explain: Revocation of tender	03
	(b) Explain in detail various sources of funding for a large scale construction project.	04
	(c) What is life cycle analysis? What are the goals and purposes of life cycle analysis?	07
	OR	
Q.4	(a) Short Note: Project Appraisal	03
	(b) Explain in brief various phases of project planning.	04
	(c) Discuss case study of any typical infrastructure project giving technical and planning details.	07
Q.5	(a) What is a contractual dispute?	03
	(b) Explain Scrutiny of tender.	04
	(c) Explain in detail different types of tender.	07
	OR	
Q.5	(a) Compare with CPM and PERT.	03

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| (b) | Draft a typical tender notice for civil engineering works. | 04 |
| (c) | Enlist different types of contract and explain any two in details. | 07 |
