

Enrolment No./Seat No_____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-VII EXAMINATION – WINTER 2025

Subject Code:3171609

Date:26-11-2025

Subject Name:Software 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.

	MARKS
Q.1 (a) Why is Software Project Management important?	03
(b) Explain steps for Process Improvement.	04
(c) Explain WBS structure in detail.	07
Q.2 (a) Discuss the role of cost estimation in software development project.	03
(b) Define the term: a)Version Control b)Change Control	04
(c) Explain software Re-engineering process model	07
OR	
(c) Explain configuration management process in detail.	07
Q.3 (a) Define Project Scheduling.	03
(b) Illustrate the use of Gantt Chart with example.	04
(c) Explain software maintenance process in detail.	07
OR	
Q.3 (a) What is SCM?	03
(b) Define Software Quality.	04
(c) Explain Capability Maturity Model (CMM) in detail.	07
Q.4 (a) What is Process Model?	03
(b) Discuss important SQA attributes.	04
(c) Explain PERT with suitable example	07
OR	
Q.4 (a) What is Earned Value Analysis?	03
(b) Discuss COCOMO using suitable example.	04
(c) Why are standards important for software? Briefly explain ISO standards for software organization.	07
Q.5 (a) List Categories of Risk.	03
(b) Differentiate between planned and unplanned project closure.	04
(c) Discuss various risk management approaches	07
OR	
Q.5 (a) Discuss function point analysis.	03
(b) Compare ISO 9001 & SEI Capability Maturity Model.	04
(c) Describe phases of Software Development life cycle.	07
