Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER- VII EXAMINATION-SUMMER 2023

Subject Code: 3171609   **Date: 28/06/2023**
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)**	What is Software Project Management?	**03**
	(b)	How methods and methodologies differ from each other?	**04**
	(c)	Describe major phases of project management life cycle.	**07**
Q.2	**(a)**	Briefly explain prototype process model.	**03**
	(b)	Describe Earned Value Analysis methods.	**04**
	(c)	Explain function point analysis with suitable example.	**07**
		OR	
	(c)	Discuss the COCOMO hierarchy of estimation models in details.	**07**
Q.3	**(a)**	How critical path can be identified in the precedence network?	**03**
	(b)	Explain about the risk identification.	**04**
	(c)	What is WBS? Explain conventional work break down structure issues in details.	**07**
		OR	
Q.3	**(a)**	How the effect of risk on project schedule is evaluated using PERT?	**03**
	(b)	Describe Gantt Chart used to plan scheduling of projects	**04**
	(c)	Explain the process of Risk Management in details.	**07**
Q.4	**(a)**	Why Software Maintenance is necessary?	**03**
	(b)	Briefly explain risk categories.	**04**
	(c)	Why are standards important for software? Briefly explain ISO standards for software organization.	**07**
		OR	
Q.4	**(a)**	List Quality Standards. Explain any one.	**03**
	(b)	Describe process of CMM.	**04**
	(c)	Explain the following term in brief 1) Re-Engineering 2) Reverse Engineering.	**07**
Q.5	**(a)**	Discuss SEI capability maturity model.	**03**
	(b)	Compare planned project closure and unplanned project closure.	**04**
	(c)	Explain Software Configuration Management in detail	**07**
		OR	
Q.5	**(a)**	Compare quality control with quality assurance.	**03**
	(b)	Briefly explain version and change control management.	**04**
	(c)	Describe some of the steps for project closure analysis report with help of example.	**07**