Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VII (NEW) EXAMINATION – WINTER 2021

Subject Code:3171609   **Date:13/12/2021**
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)	Discuss ways of Categorizing Software.	**04**
	(c)	What is a project? Discuss activities covered by software project management.	**07**
Q.2	**(a)**	What is Software Prototyping?	**03**
	(b)	Outline the steps of Project Planning.	**04**
	(c)	Discuss function point analysis with suitable example.	**07**
		OR	
	(c)	Discuss COCOMO using suitable example.	**07**
Q.3	**(a)**	What is critical path analysis?	**03**
	(b)	Illustrate the use of Gantt Chart for project scheduling with example.	**04**
	(c)	Discuss various risk management approaches.	**07**
		OR	
Q.3	**(a)**	Describe risk components and risk drivers.	**03**
	(b)	Explain use of PERT in project management.	**04**
	(c)	Explain Product breakdown structure and Work Breakdown Structure with suitable examples.	**07**
Q.4	**(a)**	Briefly discuss the necessity for software maintenance.	**03**
	(b)	Briefly explain important SQA activities.	**04**
	(c)	Explain SEI CMM with all its level.	**07**
		OR	
Q.4	**(a)**	What is Earned Value Analysis?	**03**
	(b)	What is Software Re-Engineering? Discuss the Software Re-Engineering Process Model.	**04**
	(c)	Why are standards important for software? Briefly explain ISO standards for software organization.	**07**
Q.5	**(a)**	Describe various Software Configuration Items.	**03**
	(b)	Differentiate between planned project closure and unplanned project closure.	**04**
	(c)	Define Baseline also discuss the Standard Change Process of Baseline.	**07**
		OR	
Q.5	**(a)**	Discuss reasons for premature project closure.	**03**
	(b)	Categorize version control models with diagrams.	**04**
	(c)	Discuss project closure analysis report in detail with sample example.	**07**