GUJARAT TECHNOLOGICAL UNIVERSITY
BE- SEMESTER–VII (NEW) EXAMINATION – WINTER 2024

Subject Code:3171609   **Date:07-12-2024**

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 are the characteristic that make software project different from other project?	**03**
	(b)	Discuss ways of Categorizing Software.	**04**
	(c)	Explain types of WBS structure with diagram and advantages.	**07**
Q.2	**(a)**	Briefly explain prototype process model.	**03**
	(b)	Outline the steps of Project Planning.	**04**
	(c)	Explain PERT with suitable example.	**07**
		OR	
	(c)	Explain Extreme Programming approach for software development.	**07**
Q.3	**(a)**	What is critical path analysis?	**03**
	(b)	What is Different between methods and Methodologies?	**04**
	(c)	Explain configuration management process in detail.	**07**
		OR	
Q.3	**(a)**	Difference between ISO9000 and SEI-CMM.	**03**
	(b)	Illustrate the use of Gantt Chart for project scheduling with example.	**04**
	(c)	Discuss various risk management approaches.	**07**
Q.4	**(a)**	What is Earned Value Analysis?	**03**
	(b)	Briefly explain important SQA activities.	**04**
	(c)	Explain Capability Maturity Model (CMM) in detail.	**07**
		OR	
Q.4	**(a)**	Briefly discuss the necessity for software maintenance.	**03**
	(b)	Write a short note on Project Status Report.	**04**
	(c)	Define Software Quality? Explain How Techniques Help Enhance Software Quality?	**07**
Q.5	**(a)**	Describe various Software Configuration Items.	**03**
	(b)	Briefly explain Elements in Closure Analysis Report.	**04**
	(c)	Explain the following term in brief 1) Re-Engineering 2) Reverse Engineering.	**07**
		OR	
Q.5	**(a)**	Briefly explain version and change control management.	**03**
	(b)	Discuss reasons for premature project closure.	**04**
	(c)	Define Baseline also discuss the Standard Change Process of Baseline.	**07**

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