GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VII (NEW) EXAMINATION – WINTER 2022

Subject Code:3171609   **Date:05-01-2023**
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)**	Define project. Explain need of software project management.	**03**
	(b)	Describe seven steps involved in project planning.	**04**
	(c)	Explain types of WBS structure with diagram and advantages.	**07**
Q.2	**(a)**	Define Project Scheduling. Explain how project scheduling play important role in project success	**03**
	(b)	List types of activities covered by software project management. Explain any two in detail.	**04**
	(c)	Explain PERT with suitable example.	**07**
		OR	
	(c)	Illustrate the use of Gantt Chart for project scheduling with example	**07**
Q.3	**(a)**	Explain SCM with its advantages.	**03**
	(b)	Explain an effective strategy for dealing with Risk in Project Management.	**04**
	(c)	Explain various risk management activities in detail.	**07**
		OR	
Q.3	**(a)**	Describe risk components and risk drivers	**03**
	(b)	Why Earned Value Analysis is needed in project management? Explain features provided by EVA.	**04**
	(c)	Explain configuration management process in detail.	**07**
Q.4	**(a)**	Briefly explain important SQA attributes.	**03**
	(b)	Discuss approach of risk categorization.	**04**
	(c)	Why are standards important for software? Briefly explain ISO standards for software organization	**07**
		OR	
Q.4	**(a)**	List various SQA activities and explain any one of them.	**03**
	(b)	Write a short note on Project Status Report.	**04**
	(c)	Explain Capability Maturity Model (CMM) in detail.	**07**
Q.5	**(a)**	Explain types of software maintenance services categories.	**03**
	(b)	Discuss project closure analysis report in detail with sample example.	**04**
	(c)	Explain different phases of software maintenance process with figure.	**07**
		OR	
Q.5	**(a)**	State objective of closure analysis report.	**03**
	(b)	Explain various steps involved in Business Process Re-engineering.	**04**
	(c)	Explain software Re-engineering process model.	**07**

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