GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VI(NEW) – EXAMINATION – SUMMER 2019

Subject Code:2160701   **Date:10/05/2019**
Subject Name:Software Engineering
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.**

			MARKS
Q.1	**(a)**	What is Software Engineering? What is Process? What is Product?	**03**
	(b)	Explain Software Engineering as a Layered Technology.	**04**
	(c)	Explain Waterfall process model.	**07**
Q.2	**(a)**	Explain Formal Technical Review.	**03**
	(b)	Define Coupling and Cohesion.What is the difference between cohesion and coupling.	**04**
	(c)	What is the importance of User Interface? Explain User Interface design rules.	**07**
		OR	
	(c)	Explain SCM process in details.	**07**
Q.3	**(a)**	Compare Prototype and RAD Process Model.	**03**
	(b)	What is architectural design? Enlist different style and patterns of architecture.	**04**
	(c)	What is the importance of SQA? Explain the SQA activities.	**07**
		OR	
Q.3	**(a)**	Explain the process of code review.	**03**
	(b)	Difference between reverse engineering and forward engineering.	**04**
	(c)	Explain Software as a Service (SaaS).	**07**
Q.4	**(a)**	Explain COCOMO model for project estimation.	**03**
	(b)	Explain Agile Development in detail.	**04**
	(c)	Explain Risk Management.	**07**
		OR	
Q.4	**(a)**	Explain Version and Change Control Management.	**03**
	(b)	Explain 4 P's of Effective Project Management in detail.	**04**
	(c)	Explain Integration testing.	**07**
Q.5	**(a)**	State the difference between procedural Design and Object Oriented Design.	**03**
	(b)	Write short notes on Reverse Engineering	**04**
	(c)	Explain White Box Testing With an Example.	**07**
		OR	
Q.5	**(a)**	Compare quality control with quality assurance.	**03**
	(b)	Explain Software Project management and W5HH principle	**04**
	(c)	Write a short note on Requirement Engineering.	**07**

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