GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VI (NEW) - EXAMINATION – SUMMER 2018

Subject Code:2160701   **Date:28/04/2018**
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.**

Q.1	**(a)**	What is Process? Discuss the process framework activities.	03
	(b)	Write functional and non-functional requirements of Hotel Management System	04
	(c)	Explain Waterfall process model.	07
Q.2	**(a)**	Enlist and discuss the types of Risks.	03
	(b)	Explain COCOMO model for project estimation.	04
	(c)	Explain Adaptive Software Development Process Model.	07
		OR	
	(c)	Explain Requirement Engineering Tasks.	07
Q.3	**(a)**	Discuss the concept of Agility.	03
	(b)	Draw the Time-line chart for the Library Management System.	04
	(c)	Draw the Data Flow Diagram for Hotel Management System	07
		OR	
Q.3	**(a)**	Explain user interface design issues.	03
	(b)	Draw the ER diagram for the system that is known to you.	04
	(c)	Explain Integration testing.	07
Q.4	**(a)**	Compare and contrast alpha and beta testing.	03
	(b)	Explain the process of code review.	04
	(c)	Define Quality for software. List and explain SQA activities	07
		OR	
Q.4	**(a)**	What are the different levels of testing? Briefly discuss the goal of each level.	03
	(b)	What is software architecture? Explain any two architectural styles of software.	04
	(c)	Explain various coding standard.	07
Q.5	**(a)**	Explain Client/Server Software Engineering.	03
	(b)	Explain Version and Change Control Management.	04
	(c)	Explain Software maintenance.	07
		OR	
Q.5	**(a)**	Explain Software as a Service.	03
	(b)	Explain the following term in brief	04
		1) Re-Engineering 2) Reverse Engineering	
	(c)	Explain Web Engineering.	07