GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER - VI (NEW).EXAMINATION - WINTER 2016

Subject Code: 2160701 Date: 22/2 Subject Name: Software Engineering			10/2016	
,	Гime	: 10:30 AM to 01:00 PM Total Marks: 70 etions:		
		 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 		
Q.1	(a)	What is Software Engineering? Explain Software Engineering: A Layered Technology.	07	
	(b)	Explain Agile Development in detail.	07	
Q.2	(a)	What is Software Measurement? Explain Software metrics used for software cost estimation.	07	
	(b)	Compare Prototype Model and RAD Model. OR	07	
	(b)	Explain Spiral Model in detail.	07	
Q.3	(a) (b)	Explain project scheduling process. Explain Gantt Chart in detail. Explain the importance of Software Quality Assurance. Also explain different CMM levels.	07 07	
		OR		
Q.3	(a)	What is Software Testing? What is the role of a Software Tester? Compare: Black Box Testing and White Box Testing.	07	
	(b)	Write a short note on Requirement Engineering.	07	
Q.4	(a) (b)	Write a short note on Component-Based Software Engineering. What is User Interface? Explain the design rules for UI. OR	07 07	
Q.4	(a)	Compare Coupling and Cohesion. Explain different types of Coupling and its effects on software modules.	07	
	(b)	Write a short note on Software Configuration Management.	07	
Q.5	(a) (b)	Write a short note on Reverse Engineering Explain Software as a Service (SaaS). Give its applications.	07 07	
Q.5	(a) (b)	OR Explain CASE tools and its use in Software Engineering. What is Risk Management? Explain RMMM plan.	07 07	
