GUJARAT TECHNOLOGICAL UNIVERSITY

BE – SEMESTER – VI (OLD).EXAMINATION – WINTER 2016

	•	ct Code: 160701 Date: 27/10/2016 ct Name: Software Engineering	
	Time: Instruct	10:30 AM to 01:00 PM Total Marks: 70	
	3.		
Q.1	(a) (b)	Explain in brief a software process model which is known as Meta Model. Explain different levels of testing and the goals of the different levels.	07 07
Q.2	(a)	Explain W ⁵ HH principal which lead to the definition of key project characteristics & resultant project plan.	07
	(b)	Define software engineering. Draw and explain software engineering layers with diagrams.	07
		OR	
	(b)	Explain a software development process model which emphasizes a short development cycle.	07
Q.3	(a)	Explain every stages of Requirement Engineering.	07
	(b)	Explain three golden rules for UI design using example. OR	07
Q.3	(a) (b)	Describe coding standards. Define functional and non-functional requirements and prepare SRS document for Library Management Software (LMS).	07 07
Q.4	(a)	List out FOUR Ps for project management and explain them in depth.	07
	(b)	What are CASE tools? Explain its importance in SE. OR	07
Q.4	(a)	Explain different types of relationship between use cases and Draw use case diagram for ATM Machine.	07
	(b)	Define Software Reliability. Explain various measures of Software Reliability and Availability.	07
Q.5		Explain White Box and Black Box testing with all their testing techniques.	07
	(b)	Explain McCall's Software Quality factors. OR	07
Q.5	(a) (b)	Explain Risk Mitigation, Monitoring and Management Plan (RMMM). Define Cohesion and Coupling. Explain Different types of Cohesion (in order of the cohesion) and its effect on software modules.	07 07
