## GUJARAT TECHNOLOGICAL UNIVERSITY BE – SEMESTER – VI EXAMINATION – WINTER 2015

Subject Code:160701 Date:15/12/			2015	
Time	Subject Name: Software Engineering   Fime:2:30pm to 5:00pm Total Marks: '   Instructions:   1. Attempt all questions.   2. Make suitable assumptions wherever necessary.		70	
	3.	Figures to the right indicate full marks.		
Q.1	(a) (b)	Explain spiral model and describe its advantages over waterfall model. Draw Use case for Library Management System.	07 07	
Q.2	(a) (b)	Explain Different Symbols of E-R Diagrams. Draw E-R diagram for University Examination System.	07 07	
	<b>(b)</b>	<b>OR</b> Explain cardinality and modality with Examples.	07	
Q.3	(a) (b)	Explain requirement engineering process. Compare Prototype and RAD Process Model. <b>OR</b>	07 07	
Q.3	(a) (b)	Compare Incremental and RAD Process Model. Explain Functional and Non Functional Requirement for ATM in Banking System.	07 07	
Q.4	(a) (b)	Compare Procedural Design with Object Oriented Design. Explain the role of data dictionary in analysis and design <b>OR</b>	07 07	
Q.4	(a) (b)		07 07	
Q.5	(a) (b)	Explain Black box testing and White Box Testing. Compare: Quality Control Vs. Quality Assurance. <b>OR</b>	07 07	
Q.5	(a) (b)	Explain Unit Testing and System Testing.	07 07	

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