Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER- V - EXAMINATION - SUMMER 2015

Subject Code:2650001 Subject Name: Software Engineering (SE) Time: 02:30 pm to 05:00 pm Instructions: 1. Attempt all questions.		Code:2650001 Date: 01/05/201	Date: 01/05/2015 Total Marks: 70	
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	2. 3.	ı v		
Q.1	(a)	Define õSoftware Engineeringö in your words. Explain Cyclic and anchor point milestone related to Bo hemøs Spiral model.	07	
	(b)	Explain any one Test Strategy approach for Conventional Software.	07	
Q.2	(a)	i) In XP activity how many types of Values are consider?ii) Write any 4 Issues that are continue to trouble in Extreme Programming.	04 03	
	(b)	State and explain the golden rules that form the basis of Interface Design. OR	07	
	(b)	Describe two different types of õStatesö that behavioral models can represent.	07	
Q.3	(a)	Explain the following terms according to the design concepts: i) Properties of Architecture ii) Functional Independence iii) Four Characteristics of Design classes	02 02 03	
	(b)	 i) Explain any Two categories of Architecture style ii) Describe the generic structure of Architectural Context Diagram(ACD) OR 	04 03	
Q.3	(a)	 i) Explain following terms for class-based components i) OCP ii) ISP iii) REP ii) Describe the step õElaborate all design classes that are not acquired as reusable componentsö for Component-Level Design 	03 04	
	(b)	i) Explain Four Common Design issues of a User Interface ii) Describe any three technical attributes of õquality requirement treeö.	04 03	
Q.4	(a) (b)	Explain Architecture Design from Design pyramid for WebApp. Explain COCOMO II model of Software estimation. OR	07 07	
Q.4	(a) (b)	Define metrics and measures. Explain design metrics for WebApps. i) Define V&V ii) What is component? Explain three views of the component.	07 02 05	
Q.5	(a) (b)	What is coupling? Explain different coupling categories. What is Function Point metric for requirement modeling? Also compute FP metric for Safe Home Software.	07 07	
Q.5	(a) (b)	OR What is Graph-Based Testing Methods and BVA of Black-Box Testing? What is Debugging? Explain different types of System testing.	07 07	
