GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION - SUMMER • 2015

Subject Name: Software Testing and Quality		Date:06/05/2015 Total Marks: 70	
(a) (b)	Define following terms: (1) Verification (2) Validation (3) Failure (4) Error (5) Fault (6) Defect What is Testing? Briefly Explain the Test Levels of Testing	06 08	
(a) (b)	Explain development & testing phases in the V model What is Dynamic unit testing? Explain it with its environment.	07 07	
(b)	OR What is Data Flow Anomaly? Explain three types of abnormal situations Concerning the generation and use of data values.	07	
(a) (b)	Explain incremental approach for the system integration techniques. Briefly Explain the Branch Coverage Criteria with Example.	07 07	
(a) (b)	OR What is DFG? How it differs from CFG? Give an example. What is Domain Error? List and explain types of domain error.	07 07	
(a) (b)	Briefly Explain Mc call's quality Factors. Define the Test Selection Criterion for the Domain Errors	07 07	
(a) (b)	OR Write short note on: 1. Pair wise Testing 2. Beta Testing. Give types of System Integration Techniques. Explain any one.	07 07	
(a) (b)	Briefly Explain the Requirement Identification. Give the significance of Robustness test. Give its types and explain one.	07 07	
(a) (b)	OR Discuss the advantages and disadvantages of Top down and bottom up approaches to Integration Testing. Define white box and black box testing. Differentiate both.	07 07	
	(a) (b)	bject Name: Software Testing and Quality me: 02.30pm-05.00pm Total Marks: tructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. (a) Define following terms:	
