Seat No.: Enrolmen	nt No
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GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VII EXAMINATION – WINTER 2015

Subj	ect C	ode: 173102 Date:04/12/2015	ate:04/12/2015	
Time	e: 10:3 actions: 1. A 2. N	ame: Software Testing and Quality 30am to 1:00pm Total Marks: 70 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	0	
Q.1		Explain Static Unit Testing.	07	
	(b)	Explain development and testing phases in V model.	07	
Q.2	(a) (b)	Explain white box testing and black box testing. What is functionality test? List types of functionality test. OR	07 07	
	(b)	What is software quality? List five views of quality and explain in short	07	
Q.3	(a)	,	03	
	(b)	Define Failure, error, faults and defect Explain Mutation Testing OR	04 07	
Q.3	(a)	Explain Incremental approach to perform Integration Testing	07	
	(b)	Discuss Steps in the Code Review Process in Unit Testing	07	
Q.4	(a)	Explain ON and OFF Points in Domain testing	07	
	(b)	Explain the types of Domain Errors OR	07	
Q.4	(a)	Discuss Control Flow Testing	07	
	(b)	What is Inspection and Walkthrough in Unit Testing?	07	
Q.5	(a)	What is Control Flow Graph (CFG)? Explain symbols used in CFG with example	07	
	(b)	Discuss the advantages and disadvantages of Top down and bottom up approaches to Integration Testing OR	07	
Q.5	(a)	Briefly Explain the GUI test	07	

(b) 1) Write short note on: Beta Testing

2) Write short note on: Pairwise Testing

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