Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

Subj	ect 1e:02	BE - SEMESTER-VII EXAMINATION – SUMMER 2016 Code:173102 Date:05/05/2016 Name:Software Testing and Quality (Department Elective - I) :30 PM to 05:00 PM Total Marks: 70 as: Attempt all questions.	
	2.	Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	What do you mean by "Ishikawa" diagram? When should the Ishikawa diagram be used? Provide a procedure to construct an Ishikawa diagram. Explain classical V- model of software testing.	07 07
Q.2	(a) (b)	Describe code review process of static unit testing in detail. Find Statement Coverage path, Branch Coverage path for the below example.	07 07
		FILE *fptr1, *fptr2, *fptr3;	
		int open_files() {	
); return(i);	
) OR	
	(b)		07
Q.3	(a)	Explain the following terms: closed boundary, open boundary, closed domain, open domain, extreme point, and adjacent domain.	07
	(b)	Briefly Explain the Branch Coverage criteria with example. OR	07
Q.3	(a)		07
	(b)	Write a note on Sandwich approach and big bang approach of software integration.	07
Q.4	(a)	Explain the types of Functionality Testing.	07
	(b)	Explain the Advantages and Disadvantages of Random Testing.	07
Q.4	(a)	OR Explain the types of GUI Testing.	07
	(b)	Explain Black-box Testing techniques with example.	07
Q.5	(a)	Explain ODC in detail.	07
	(b)	Explain UIO Methods in detail.	07

OR

Q.5	(a)	Briefly Explain the Requirement Identification.	07	
	(b)	Briefly explain McCall's quality factors and quality criteria.	07	
