Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION – WINTER 2013

	•	Name Coffee Total and Constitution	3
Tiı	me: 1 tructio	Attempt all questions.	'0
	2. 3.	Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Define and explain following terms (1) Testing (2) Failure (3) Verification (4) Validation What is a test case? Explain with an example.	08 06
Q.2	(a) (b)	Explain test levels with the use of V model. What is Dynamic unit testing? Explain it with its environment. OR	07 07
	(b)	What is CFG? How input test data can be generated for control flow testing?	07
Q.3	(a) (b)	List all path selection criteria and explain any one in detail What is DFG? How it differs from CFG? Give an example. OR	07 07
Q.3	(a) (b)	Define Domain error. Give its types and explain. List and explain McCall's quality factors.	07 07
Q.4	(a) (b)	Give types of System Integration Techniques. Explain any one. What are the issues related with the integration of OTS? Explain OTS component testing. OR	07 07
Q.4	(a) (b)	Give the significance of Robustness test. Give its types and explain one. What is functional testing? Discuss the complexity of applying functional testing	07 07
Q.5	(a) (b) (c) (d) (e) (f) (g) (h)	Attempt ANY FOUR Boundary Value Analysis. Beta testing Metric for monitoring test execution. Cycle based test execution strategy. Stateless v/s State oriented systems. Closed inequality error for reduced domain. Characteristics of testable requirements. Black box v/s White box testing.	14
