Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY MCA - SEMESTER-V EXAMINATION - SUMMER 2017

Subject Code: 650001		Code: 650001	Date:30/05/ 2017	
Ti	me:0 tructio 1. 2.	2.30 PM TO 05.00 PM ons: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	Total Marks: 70	
Q.1	(a)	What is process? Explain waterfall model in detail	07	
	(b)	What is requirement model? Discuss flow oriented model in de	etail. 07	
Q.2	(a)	Explain call and return architecture	07	
	(b)	Discuss basic design principles	07	
		OR		
	(b)	Discuss various categories of coupling	07	
Q.3	(a)	What is Framework activity? Discuss Principle that guide proceed	ess 07	
	(b)	Explain pattern-based software design in detail	07	
		OR		
Q.3	(a)	What is Framework activity? Discuss Principle that guide pract	tice 07	
	(b)	Write a note on Scrum with diagram	07	
Q.4	(a)	Discuss architectural design of WebApp	07	
	(b)	What is white-box testing? Discuss basis path testing	07	
		OR		
Q.4	(a)	Explain golden rules for interface design	07	
	(b)	What is black-box testing? Explain in detail	07	
Q.5	(a)	Write a note on (1) Content testing (2) Performance testing	07	
	(b)	What is an estimation model? Discuss COCOMO Model in det	tail 07	
		OR		

(a) Write a note on (1) Validation testing (2) System testing

(b) Explain function-point metric for requirement modeling.

Q.5

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