Seat No.:	Enrolment No.

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

Subject Code:2650001			Date:30/05/2017	
Ti	me:0 tructio	Attempt all questions. Make suitable assumptions wherever necessary.	70	
Q.1	(a) (b)	What is process? Explain spiral model in detail. (1) Differentiate cohesion v/s coupling. (2) Write a note on system testing.	07 04 03	
Q.2	(a) (b)	Explain transform mapping in detail. Explain golden rules for interface design. OR	07 07	
	(b)	Discuss various categories of user interface design pattern.	07	
Q.3	(a) (b)	What is extreme programming? Explain XP process in detail. Explain component level design patterns with example. OR	07 07	
Q.3	(a) (b)	What is framework activity? Discuss principle that guides process. Write a note on modularity with diagram.	07 07	
Q.4	(a) (b)	What is black-box testing? Explain in detail. Define archetype? Briefly describe different architectural styles. OR	07 07	
Q.4	(a) (b)	What is webApp testing? Discuss content testing in detail. Explain pattern-based software design in detail	07 07	
Q.5	(a) (b)	Write a note on (1) formal technical review (2) time line chart. What do you understand by empirical estimation models? Explain COCOMO-II model with suitable example.	07 07	
Q.5	(a)	OR Explain function-point metric for requirement modeling.	07	
y.5	(a)	Explain function-point metric for requirement modernig.	U	

(b) Write a note on (1) W5HH principle (2) validation testing

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