## GUJARAT TECHNOLOGICAL UNIVERSITY MCA - SEMESTER- V EXAMINATION - WINTER - 2016

	-		Date:17/11/ 2016	
Tir	ne: 1 ructio	Attempt all questions. Make suitable assumptions wherever necessary.	70	
Q.1	(a)	<ul> <li>Explain the following terms:</li> <li>a) Iteration</li> <li>b) Scrum Meeting</li> <li>c) Retrospectives</li> <li>d) Refactoring</li> <li>e) Modularity</li> <li>f) Quality Function Deployment</li> <li>g) Cyclomatic Complexity</li> </ul>	07	
	<b>(b)</b>	Explain: Agile Principles.	07	
Q.2	(a) (b)	Explain: Glass Box Testing and how it is different from black box testing. Explain: Five Generic Process Framework Activities <b>OR</b>	07 07	
	<b>(b)</b>	Explain: Design Concepts. How it is useful in software development.	07	
Q.3	(a) (b)	Explain: Principles that Guide Practice Explain: Validation Principles and Deployment Principles. <b>OR</b>	07 07	
Q.3	(a) (b)	Explain: Principles that Guide Process Explain the term Software Engineering and Explain SDLC.	07 07	
Q.4	(a) (b)	Explain: What is Architecture Style. How Data Centered Architecture is different from Data Flow Architecture. Explain: What is coupling and types of coupling.	07 07	
Q.4	(a) (b)	ORExplain: Golden Rules of User Interface.Explain the following.a) SoCb) Common Design Mistakesc) Aesthetic Design	07 07	
Q.5	<b>(a)</b>	Explain: What is unit testing. Advantages of Unit Testing. Difference between Driver and Stub.	07	
	<b>(b)</b>	Write a Short Note on System Testing.	07	
Q.5	(a) (b)	OR Explain the following terms: a) Cause Elimination. b) Calculate Cyclomatic Complexity for 5 Nodes and 4 Edges. Also Calculate V(G) where Predicate nodes are 3. Difference between Alpha Testing and Beta Testing	07 07	

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