Se	at No.:	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
		MCA - SEMESTER-V • EXAMINATION - SUMMER • 2015	
St	ıbject	Code: 650001 Date: 01-05-2015	
St	ıbject	Name: Software Engineering	
	•	2:30 pm to 05:00 pm Total Marks: 70	
	structio	ons:	
		Attempt all questions.	
		Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
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Q.1	(a)	Explain the following terms: Extreme Programming, Archetypes, Modularity	06
	(b)	Write a short note on Formal Technical Review (FTR).	04
	(c)	Explain Spiral model in detail.	04
Q.2	(a)	Explain the three golden rules that form the basis of interface design.	07
	(b)	Write short note on issues for configuration and security testing for Web	07
		applications. OR	
	(b)	Differentiate between Black Box Testing and White Box Testing with suitable	07
	(0)	Example.	07
Q.3	(a)	Explain the various steps involved in computing earned value and also explain the interpretation of the progress indicators.	07
	(b)	Describe the seven distinct tasks encompassed in requirement engineering.	07
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Q.3	(a)	Explain architectural style and its various categories in detail.	07
	(b)	Explain various kinds of design patterns in detail.	07
Q.4	(a)	Explain in detail component-level design for traditional software components.	07
	(b)	What do you mean by empirical estimation models? Explain COCOMO model with suitable example.	07
		OR	
Q.4	(a)	Write a short note on Web Design E Pyramid for Web Apps.	07
		Explain aesthetic design and content architecture of content design for	07
		WebApp design.	
Q.5	(a)	What is integration testing? Explain in detail top-down and bottom-up	07
	()	Integration testing.	
	(b)	Write short notes on the following:	07
		i. Cohesion V/S Coupling	
		ii. Architectural Style V/S Architectural Pattern OR	
Q.5	(a)	Write short note on principles of process and practice in Software Engineering	07
Ų.S	(b)	Compare the following with suitable example:	07
	(-)	a. Navigation Syntax and Navigation Semantics	•
		b. Verification and Validation	
