Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

Subject Code: 4460602

MCA Integrated - SEMESTER- VI • EXAMINATION - WINTER 2016

Date: 24/10/2016

	-	Name: Software Engineering (SE) 0:30 am – 01:00 pm Total Marks:	70
Ins	tructio 1. 2. 3.	Attempt all questions. Make suitable assumptions wherever necessary.	
Q.1	(a)	What do you understand by evolutionary process models? Explain Spiral Model in detail.	07
	(b)	What is behavior testing? Discuss any one technique of this testing in detail.	07
Q.2	(a)	i). In XP activity how many types of Values are considered?ii). Write any 3 Issues that are continue to trouble in Extreme Programming.	04 03
	(b)	Discuss the advantages of using Pattern-Based Software design. How Architectural patterns are different from Component level design patterns. OR	07
	(b)	What is requirement engineering? Describe the seven distinct tasks encompassed in requirement engineering.	07
Q.3	(a)	What is software design? Explain various principles and design concepts of software design.	07
	(b)	Explain in detail component-level design for traditional software components. OR	07
Q.3	(a)	Define the function independence. Explain different cohesion and coupling types in details.	07
	(b)	What are the various elements of good user interface design? Explain the golden rules for the user interface design.	07
Q.4	(a) (b)	Write a short note on Web Design E Pyramid for Web Apps. What is Integration Testing? Describe in detail top-down and bottom-up Integration Testing.	07 07
Q.4	(a)	OR Write a short note on content testing for WebApps.	07
Ų. 4	(a) (b)	What is the distinction between alpha and beta testing? Explain why these forms of testing are particularly valuable.	07
Q.5	(a) (b)	What is debugging? Explain art of debugging. What is a formal technical review and why is one conducted? Outline the steps required to conduct a successful FTR?	07 07
Q.5	(a)	OR What is software project estimation? Explain COCOMO II model of Software estimation.	07
	(b)	What is W5HH principle? Explain in detail.	07

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