GUJARAT TECHNOLOGICAL UNIVERSITY
ME - SEMESTER– III • EXAMINATION – WINTER 2013

Subject Code: 730104   **Date: 28/11/2013**
Subject Name: Software Engineering Methodology
Time: 10:30 AM to 01:00 AM   **Total Marks: 70**
Instructions:
1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Difference between Verification and Validation.	**07**
	(b)	What is Risk? Explain Risk Mitigation, Monitoring & Management Concept.	**07**
Q.2	**(a)**	Explain W5HH Principle.	**07**
	(b)	Short note on SCM Process	**07**
		OR	
	(b)	Short note on Formal Technical Review and its Review Guidelines.	**07**
Q.3	**(a)**	Discuss WebE Design Pyramid in Detail	**07**
	(b)	Discuss Overview of Testing Process of WebE	**07**
		OR	
Q.3	**(a)**	Explain CBSE and Software Re-engineering	**07**
	(b)	Discuss Risk Identification for Software Project.	**07**
Q.4	**(a)**	Develop Use Cases of Hotel Management System.	**07**
	(b)	Explain Basis Path Testing and Control Structure Testing.	**07**
		OR	
Q.4	**(a)**	Compare Black Box Testing and White Box Testing.	**07**
	(b)	Explain Use cases, its importance with any example	**07**
Q.5	**(a)**	What is Quality? Explain SQA Activities	**07**
	(b)	Write a program of Simple calculator, Its input values may be from interval [0,200]. Design test cases considering boundary values for checking robustness of your program.	**07**
		OR	
Q.5	**(a)**	Explain Attributes of Web based system and application.	**07**
	(b)	Write a program to read three sides of a triangle and determine whether they form scalene, isosceles or equivalent triangle. Design test cases for checking robustness of program.	**07**

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