Seat No.: ____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER–VI • EXAMINATION – SUMMER • 2014

Subject Code: 160701 **Date: 19-05-2014**

Subject Name: Software Engineering

Time: 10:30 am - 01:00 pm **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)**	What is Software Engineering ? What is Process ? What is Product?	**07**
	(b)	Explain Requirement engineering process.	**07**
Q.2	**(a)**	Explain Spiral Process Model and its advantages .	**07**
	(b)	Explain Feasibility Study of College Management System.	**07**
		OR	
	(b)	Explain Feasibility Study of Hospital Management System.	07
Q.3	**(a)**	Explain Functional and non functional requirement.	**07**
	(b)	Explain Prototype model and compare it with Water Fall process model .	**07**
		OR	
Q.3	**(a)**	What is Data design, architectural design and procedural Design?	**07**
	(b)	Draw E-R Diagram for university result system	**07**
Q.4	**(a)**	Explain User Interface Design Concepts with example.	**07**
	(b)	Explain Different Quality standards.	**07**
		OR	
Q.4	**(a)**	Explain Software Quality Assurance Techniques.	**07**
	(b)	What are the steps in software Project Planning? What is effort estimation?	**07**
Q.5	**(a)**	Explain Different Testing Techniques.	**07**
	(b)	Explain CASE and building blocks of CASE	**07**
		OR	
Q.5	**(a)**	Explain Different Metrics –Size, Functional and complexity	**07**
	(b)	Explain : Reliability , Cyclomatic Complexity	**07**

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