

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
