

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**
