

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VI • EXAMINATION – SUMMER • 2015

Subject code: 160701

Date:01/05/2015

Subject Name: Software Engineering

Time:10.30AM-01.00PM

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) Explain spiral model and Concurrent Development Model. **07**
(b) Define: Feasibility Study , CMM Level **07**
- Q.2** (a) Explain Requirement Analysis with example. **07**
(b) Explain Different Symbols of E-R Diagrams. Draw E-R diagram for Library Management System. **07**
- OR**
- (b) What is Relationship ? Explain Cardinality and Modality with Examples. **07**
- Q.3** (a) Compare Prototype and RAD Process Model. **07**
(b) Draw Use case diagram for Hospital Management System. **07**
- OR**
- Q.3** (a) Compare Incremental and Waterfall Process Model. **07**
(b) Explain Functional and Non Functional Requirement for Hotel Management System. **07**
- Q.4** (a) Compare Procedural Design with Object Oriented Design. **07**
(b) Explain : QFD , Reliability **07**
- OR**
- Q.4** (a) Explain Design Rules for User Interface(UI) with example of internal UI and external UI. **07**
(b) Explain Software Project Management and W⁵HH Principle. **07**
- Q.5** (a) Explain Black box testing and White Box Testing. **07**
(b) Explain : Quality Control and standards like ISO 9000 and 9001. **07**
- OR**
- Q.5** (a) Explain CASE tools and its use in Software Engineering. **07**
(b) Explain Risk Management , Monitoring and Mitigation. **07**
