

Seat No.: _____
No. _____

Enrolment

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER – VI EXAMINATION – WINTER 2015

Subject Code:160701

Date:15/12/ 2015

Subject Name: Software Engineering

Time:2:30pm to 5:00pm

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 describe its advantages over waterfall model. 07
(b) Draw Use case for Library Management System. 07

Q.2 (a) Define: Feasibility Study , CMM Level , QFD. 07
(b) Explain Different Symbols of E-R Diagrams. Draw E-R diagram for 07
University Examination System.

OR

(b) Explain cardinality and modality with Examples. 07

Q.3 (a) Explain requirement engineering process. 07
(b) Compare Prototype and RAD Process Model. 07

OR

Q.3 (a) Compare Incremental and RAD Process Model. 07
(b) Explain Functional and Non Functional Requirement for ATM in 07
Banking System.

Q.4 (a) Compare Procedural Design with Object Oriented Design. 07
(b) Explain the role of data dictionary in analysis and design 07

OR

Q.4 (a) Explain Design Rules for User Interface(UI). 07
(b) Explain Software Project Management and W⁵HH Principle. 07

Q.5 (a) Explain Black box testing and White Box Testing. 07
(b) Compare: Quality Control Vs. Quality Assurance. 07

OR

Q.5 (a) Explain Unit Testing and System Testing. 07
(b) Explain Risk Management , Monitoring and Mitigation. 07
