

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI (NEW) - EXAMINATION – SUMMER 2016

Subject Code:2160701

Date:06/05/2016

Subject Name: Software Engineering

Time: 10:30 AM to 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 the importance of process model in development of software system? Explain prototype process model. **07**
- (b) What is Requirement Engineering? List the Functional and Non Functional requirement for Library Management system. **07**
- Q.2** (a) Explain Risk Management. **07**
- (b) What is Object Oriented Design of a system? Draw the Use case diagram and Class diagram for Library Management system. **07**
- OR**
- (b) What is the importance of User Interface? Explain User Interface design rules. **07**
- Q.3** (a) List the different Agile process model and Explain any one with suitable example. **07**
- (b) Explain the process model which is used for development of large-scale system. **07**
- OR**
- Q.3** (a) Explain project scheduling and tracking with suitable example. **07**
- (b) Explain the different design concepts. **07**
- Q.4** (a) Explain the various coding standard. **07**
- (b) What is the importance of SQA? Explain the SQA activities. **07**
- OR**
- Q.4** (a) What are the different levels of testing? Explain any one with suitable example. **07**
- (b) Explain Software as a Service (SaaS). **07**
- Q.5** (a) Explain Software Configuration Management. **07**
- (b) Write a short note on: CASE. **07**
- OR**
- Q.5** (a) Explain Software Re-Engineering process model. **07**
- (b) Explain Software Process Improvement with various elements of SPI framework. **07**
