

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? **07**
Explain prototype process model.
- (b) What is Requirement Engineering? List the Functional and Non Functional **07**
requirement for Library Management system.
- Q.2** (a) Explain Risk Management. **07**
- (b) What is Object Oriented Design of a system? Draw the Use case diagram and **07**
Class diagram for Library Management system.
- 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 **07**
example.
- (b) Explain the process model which is used for development of large-scale **07**
system.
- 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 **07**
example.
- (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 **07**
framework.
