

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI (NEW) - EXAMINATION – SUMMER 2018

Subject Code:2160701

Date:28/04/2018

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 Process? Discuss the process framework activities. **03**
(b) Write functional and non-functional requirements of Hotel Management System **04**
(c) Explain Waterfall process model. **07**
- Q.2** (a) Enlist and discuss the types of Risks. **03**
(b) Explain COCOMO model for project estimation. **04**
(c) Explain Adaptive Software Development Process Model. **07**
- OR**
- (c) Explain Requirement Engineering Tasks. **07**
- Q.3** (a) Discuss the concept of Agility. **03**
(b) Draw the Time-line chart for the Library Management System. **04**
(c) Draw the Data Flow Diagram for Hotel Management System **07**
- OR**
- Q.3** (a) Explain user interface design issues. **03**
(b) Draw the ER diagram for the system that is known to you. **04**
(c) Explain Integration testing. **07**
- Q.4** (a) Compare and contrast alpha and beta testing. **03**
(b) Explain the process of code review. **04**
(c) Define Quality for software. List and explain SQA activities **07**
- OR**
- Q.4** (a) What are the different levels of testing? Briefly discuss the goal of each level. **03**
(b) What is software architecture? Explain any two architectural styles of software. **04**
(c) Explain various coding standard. **07**
- Q.5** (a) Explain Client/Server Software Engineering. **03**
(b) Explain Version and Change Control Management. **04**
(c) Explain Software maintenance. **07**
- OR**
- Q.5** (a) Explain Software as a Service. **03**
(b) Explain the following term in brief **04**
1) Re-Engineering 2) Reverse Engineering
(c) Explain Web Engineering. **07**