

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER-V- EXAMINATION – WINTER 2018

Subject Code: 2650001

Date: 15/11/2018

Subject Name: Software Engineering

Time: 10.30 am to 1.00 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)** Do as directed
- (1) List out types of software application 02
 - (2) List out types of testing 02
 - (3) Discuss layered technology 03
- (b)** Explain Following Terms 07
- (1) cohesion (5) scheduling
 - (2) coupling (6) pattern
 - (3) process (7) software
 - (4) technical review
- Q.2 (a)** Explain spiral model in detail. 07
- (b)** Explain golden rules for interface design. 07
- OR**
- (b)** Discuss various categories of user interface design pattern. 07
- Q.3 (a)** What is scrum? Discuss in detail. 07
- (b)** Explain component level design patterns with example. 07
- OR**
- Q.3 (a)** What is framework activity? Discuss principle that guides process. 07
- (b)** Write a note on architectural style. 07
- Q.4 (a)** What is white-box testing? Explain in detail. 07
- (b)** Write a note on eliciting requirements 07
- OR**
- Q.4 (a)** Explain user interface testing in detail. 07
- (b)** Explain pattern-based software design in detail 07
- Q.5 (a)** Write a note on (1) FTR (2) time line chart. 07
- (b)** Explain COCOMO-II model in detail. 07
- OR**
- Q.5 (a)** Write a note on project scheduling. 07
- (b)** Write a note on (1) W5HH principle (2) validation testing 07
