

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA – SEMESTER V - EXAMINATION –SUMMER-2022

Subject Code: 4659303**Date:04/06/2022****Subject Name: Software Engineering****Time: 02:30 PM TO 05:00 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.**07**

1. In agile process models the only deliverable work product is the working program.

[True / False].

2. Full Form of SDLC?

3 What is the simplest model of software development paradigm?

4. SRS.

5. _____ design identifies the software as a system with many components interacting with each other.

6. Write to correct statement as under?

Which of the following is not a user interface design process?

- a) User, task, and environment analysis and modeling
- b) Interface design
- c) Knowledgeable, frequent users
- d) Interface validation

7. What is Verification?

Q.1 (b) What is Agile methodology? Explain Principles of Agile Methodology.**07****Q.2 (a) Create a sprint backlog for user registration module.****07****Q.2 (b) Write a short note set of fundamental software design concepts.****07**

OR

Q.2 (b) Difference between Whitebox and Blackbox testing. **07**

Q.3 (a) Explain in details Layered architectures with diagram. **07**

Q.3 (b) Write a short note details Negotiating Requirements. **07**

OR

Q.3 (a) How to work software engineering debugging and debugging process. **07**

Q.3 (b) Explain Waterfall model with different types of phases. **07**

Q.4 (a) Write a short note the control specification in detail. **07**

Q.4 (b) Explain spiral model phases with advantages and disadvantages. **07**

OR

Q.4 (a) Explain Incremental model elements with advantages and disadvantages. **07**

Q.4 (b) Write a short note User interface design the Golden Rules. **07**

Q.5 (a) Explain Incremental model elements with advantages and disadvantages. **07**

Q.5 (b) Write a short note Behavioral Modeling with proper example. **07**

OR

Q. 5 (a) Brief overview of other agile process models and different agile vs waterfall method. **07**

Q. 5 (b) Write a short note Basis Path Testing with example. **07**
