

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Supplementary Semester Examination – Summer 2022

Course: B. Tech. Branch: Computer Engineering Semester: VII

Subject Code & Name: BTCOC701 Software Engineering

Max Marks: 60

Date: 13/08/2022

Duration: 3.45 Hr.

Instructions to the Students:

1. All the questions are compulsory.
2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question.
3. Use of non-programmable scientific calculators is allowed.
4. Assume suitable data wherever necessary and mention it clearly.

	(Level/CO)	Marks
Q. 1 Solve Any Two of the following.		
A) Explain Waterfall.	Remember	06
B) Explain Relational Unified Model in Detail.	Understand	06
C) What is SDLC? Explain Each Part of the SDLC	Apply	06
Q.2 Solve Any Two of the following.		
A) Enlist and Explain Different types of Agile Methodologies.	Remember	06
B) Write down the Difference between Functional and Non- Functional Requirements.	Understand	06
C) With an Example Illustrate how we can Perform Requirement Management.	Apply	06
Q. 3 Solve Any Two of the following.		
A) What is Interaction Model? Explain in Software Development?	Remember	06
B) Explain Different Architectural Pattern in Software Engineering.	Understand	06
C) What is Model Driven Engineering. Explain in Detail.	Apply	06
Q.4 Solve Any Two of the following.		
A) Design Class Diagram for University System.	Evaluate	06
B) Design Sequence Diagram for Student Registration System.	Evaluate	06
C) Design State Chart Diagram for Student Registration System.	Evaluate	06
Q. 5 Solve Any Two of the following.		
A) Differentiate software testing and development testing	Analyze	06
B) Explain Dependability Properties in Software Engineering	Apply	06
C) Why Security is a risk management? Illustrate with Example.	Apply	06

***** End *****