K. J. Somaiya College of Engineering, Mumbai-77
(Autonomous College Affiliated to University of Mumbai)
Semester: **August–November 2021**
In-Semester Examination

Class: TY B. Tech
Branch: Computer Engineering   **Semester : V**
Full name of the course: Software Engineer   **Course Code: 2UCC501**
Duration: 1hr.15 min (attempting questions) +15 min (uploading) Max. Marks: 30

Q. No	Questions	Marks
Q1.1	Which of the software development models presents a temporary solution which will be used by the developer to demonstrate the features of the finished product? a) Waterfall b) Prototype c) Scrum d) Iterative	01 Mark
Q1.2	List requirement elicitation techniques	02 Marks
Q1.3	State TWO limitations of Waterfall approach. **OR**	02 Marks
Q1.3	Compare RAD and Spiral model.(4 points)	02 Marks
Q1.4	State TWO generic process framework activities.	02 Marks
Q1.5	State any two principles of scheduling.	02 Marks
Q1.6	State functional requirements.	01 Mark
Q2 (a)	Compare process metrics with product metrics giving example. **OR**	05 Marks
Q2 (a)	Reasons for late delivery of a product and how will you take care of the same.	05 Marks
Q2 (b)	Explain FP with suitable example. **OR**	05 Marks
Q2 (b)	Explain LOC with suitable example	05 Marks

Q3	For most of the bank's ATMs, the customer is authenticated by inserting a plastic ATM card and entering a personal identification number (PIN). The person can use a face recogniser for authentication alternatively. Customer Authentication use case is required for every ATM transaction such as balance check and withdrawal of money. Customers may need some help from the ATM. The transactions may permit to take printout of the current balance or printing slip after the withdrawal mentioning the balance amount. Draw ANY TWO TYPES of diagram: a. USE CASE diagram b. Activity Diagram c. Sequence Diagram	10 marks