K. J. Somaiya College of Engineering, Mumbai-77

End Semester Exam
December 2020

Max. Marks: 30
Duration: 1 Hr. 15 Min. (For attempting questions) + 15 min. (uploading)
Class: TY B.Tech   Semester: V
Name of the Course: Software Engineering   Branch: Computer
Course Code: 2UCC501

Instructions:
(1)   **All questions are compulsory**
(2)   **Draw neat diagrams**
(3)   **Assume suitable data if necessary**

Question No.		Max. Marks
Q.1	Compare the features of Waterfall, Prototyping and Spiral model. List advantages and Disadvantages of each model. Give one application where each model is acceptable.	10
Q.2	What is requirement elicitation? Describe various activities performed in requirement elicitation phase with example. **OR** Design class diagram for " Attendance Monitoring System"	10
Q.3	Discuss COCOMO Model for software estimation **OR** Explain Equivalence class partitioning and Boundary value analysis A program specifications state the following for the input field: The program shall accept an input value of 4 digit integer equal or greater that 2000 and less than or equal 8000. Determine the test cases using: ● Equivalence class partitioning ● Boundary value analysis	10