

K. J. Somaiya Institute of Technology, Sion, Mumbai-22
(Autonomous College Affiliated to University of Mumbai)

Supplementary Exam ~~Feb-March 2024~~ *Feb-March 2024*
(B.Tech / M.Tech.) Program: SY Information Technology Scheme II B
Examination: SY Semester: III
Course Code: ITC305 and Course Name: Foundations of Software Engineering
Date of Exam: *04/3/2024* Duration: 02 Hours Max. Marks: 45

Instructions:
(1) All questions are compulsory.
(2) Draw neat diagrams wherever applicable.
(3) Assume suitable data, if necessary.

		Max. Marks	CO	BT level
Q 1	Solve any 5 questions out of six.	15		
i)	Explain characteristics of Software.	03	CO1	U
ii)	Explain Functional Point Analysis.	03	CO2	U
iii)	Explain Gantt Chart.	03	CO3	U
iv)	Explain symbol / notations used in Use Case Diagram.	03	CO4	U
v)	Explain Join and Fork.	03	CO5	U
vi)	Explain advantages of software testing.	03	CO6	U
Q.2	Solve any three questions out of four.	15		
i)	Draw and Explain RAD Model.	05	CO1	A
ii)	Differentiate Functional & Non-Functional requirements.	05	CO2	An
iii)	Explain Software Requirement Specification for Library Management System:	05	CO3	U
iv)	Explain Waterfall Model.	05	CO1	U
Q.3	Solve any three questions out of four.	15		
i)	Explain Level in DFD with Example.	CO4	05	U
ii)	Draw Use Case Diagram for Library Management System.	CO4	05	A
iii)	Draw a Class diagram for railway management system	CO5	05	A
iv)	Differentiate White Box and Black Box Testing.	CO6	05	An

*****ALL THE BEST*****