

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

Nov-Dec 2024 <u>May-June 2025</u>		
(B. Tech / M.Tech.) Program: <u>Artificial Intelligence & Data Science</u> Scheme:- II		
carry on Regular Examination: TY Semester: V		
Course Code: <u>AIC503</u> and Course Name: <u>Software Engineering</u>		
Date of Exam: <u>27/11/2024</u> <u>27/06/2025</u>	Duration: 02.5 Hours	Max. Marks: 60

Instructions:

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

Q. No.	Question	Max. Marks	CO	BT level
Q 1	Solve any two questions out of three: (05 marks each)	10		
a)	Write all different types of Software Engineering Applications		1	R
b)	Explain the Elements of Requirements Analysis?		2	R
c)	Explain how task Set is define and evaluated in software projects.		3	U
Q 2	Solve any two questions out of three: (05 marks each)	10		
a)	Draw the diagram Data-Centered Architecture.		4	R
b)	What are the Testing Strategic Approach?		5	U
c)	Define Proactive Risk Management?		6	U
Q.3	Solve any two questions out of three. (10 marks each)	20		
a)	What are the different Process Assessment and Improvement standards?		1	U
b)	What are types Partitioned Architecture and Why Partitioned Architecture?		4	U
c)	What are step involved in Debugging Techniques?		5	U
Q.4	Solve any two questions out of three. (10 marks each)	20		
a)	Explain ERD Notation, building Of ERD Notation and give one Example		2	U
b)	Explain Goal-Oriented Software Measurement and its advantage?		3	U
c)	Why Repository Content required in SCM.		6	R
