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

FEB 2025

~~Nov – Dec 2024~~ Supplementary Exam.

(B. Tech / M. Tech.) Program: Artificial Intelligence & Data Science Scheme:- II
Regular Examination: TYSemester: V
Course Code: AIC503 and Course Name: Software Engineering

Date of Exam: ~~27/11/2024~~
04/02/2025

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)	What are the different types of Software Engineering Applications		1	R
b)	What are the Elements of Requirements Analysis?		2	R
c)	List various project scheduling methods (scheduling tools and techniques).		3	U
Q 2	Solve any **two** questions out of three: (05 marks each)	10		
a)	Why Architecture and Why is Architecture Important?		4	R
b)	Explain Testing Strategy with diagram?		5	U
c)	Define Reactive Risk Management?		6	U
Q.3	Solve any **two** questions out of three. (10 marks each)	20		
a)	Explain the Process Assessment and Improvement standards?		1	U
b)	What are feature of Architectural description language (ADL)		4	U
c)	Briefly explain Testing the CRC Model		5	U
Q.4	Solve any **two** questions out of three. (10 marks each)	20		
a)	What is a Data Object and Attributes? Explain with one example		2	U
b)	Define and Explain Goal-Oriented Software Measurement?		3	U
c)	What is the function involved in SCM Repository.		6	R

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