

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

~~Nov-Dec 2024 May-June 2023~~

(B. Tech / M.Tech.) Program: Artificial Intelligence & Data Science Scheme:- II

~~Cutoff On~~ Regular Examination: TYSemester: V

Course Code: AIC503 and Course Name: Software Engineering

Date of Exam: 27/11/2024

Duration: 02.5 Hours

Max. Marks: 60

27/06/2023

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 |
