



K. K. Wagh Institute of Engineering Education & Research, Nashik
(An Autonomous Institute From A.Y. 2022-23)

InSem Examination-I Winter2025	
Exam Seat No.:	
Academic Year:2025-2026	Semester:I
Class:FYMCA	Program:MCA
Branch Code:M.C.A.	Pattern:2024
Name of Course:Software Engineering and Testing	Course Code:2409503
Max. Marks:30	Duration:1.15 Hrs.

Instructions: Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.

1. This question paper contains ONE page(s).
2. Answer to each new question is to be started on a new page.
3. Assume suitable data wherever required, but justify it.
4. Draw the neat labelled diagrams, wherever necessary.
5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.

Marks CO

Question No. 1

- 1 a) What is Software Engineering? Explain the working of the Waterfall Model with a neat diagram and suitable example. (7) CO1

Question No. 2

- 2 a) Explain the concept of Software Engineering and differentiate between various types of software with suitable examples (8) CO1

OR

- 2 b) Define the Unified Process Model and identify its main phases with a neat and labelled diagram. (8) CO1

Question No. 3

- 3 a) Apply the Kano Model to identify different types of customer needs using a suitable diagram. (7) CO2

Question No. 4

- 4 a) Apply the concept of Software Requirement Specification (SRS) to prepare a sample SRS for Online food delivery system. (8) CO2

OR

- 4 b) Apply the concepts of behavioural and non - behavioural requirements to a real-life software system with examples. (8) CO2

..... End of question paper.....