



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

InSem Examination-II Summer 2025	
Exam Seat No.:	
Academic Year: 2024-2025	Semester: VI
Class: TY	Program: B.Tech
Branch Code: MEC	Pattern: 2022
Name of Course: Machine Intelligence	Course Code: MEC223017
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 01 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 column indicates the Course Outcome of the Question/sub-question.

Marks CO

Question No. 1

- 1 a) Explain applications of AI-ML in mechanical engineering domain. (7) CO1

Question No. 2

- 2 a) Explain AI Cycle with block diagram (8) CO1

OR

- 2 b) Compare supervised and unsupervised learning with practical example (8) CO1

Question No. 3

- 3 a) What is feature extraction and feature selection? Explain with suitable example (7) CO3

Question No. 4

- 4 a) Differentiate Filters, Wrappers, and embedded methods in detail (8) CO3

OR

- 4 b) What is Principle component analysis? Explain the different steps in PCA (8) CO3

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