

Total No. of Questions : 4]

PA-10073

SEAT No. :

[Total No. of Pages : 1

[6009]-366

T.E. (Mechanical) (Insem)

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

(2019 Pattern) (Semester-II) (302049)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Neat diagram must be drawn wherever necessary.
- 2) Figures to the right side indicate full marks.
- 3) Use of calculator is allowed.
- 4) Assume suitable data if necessary.

Q1) a) Explain supervised learning with the help of an example. State its advantages and disadvantages. [8]

b) What are the various applications of machine learning in mechanical Engineering? [7]

OR

Q2) a) Write short note on different approaches to AI. [8]

b) Explain the different types of Machine learning. [7]

Q3) a) Explain the applications of feature extraction and selection algorithms in Mechanical Engineering. [8]

b) Explain feature selection techniques. [7]

OR

Q4) a) What is meant by feature selection? Explain the term feature selection ranking and its importance. [8]

b) Explain greedy forward selection and greedy backward selection. [7]

