

T.E.(Mechanical Engineering)
ARTIFICIAL INTELLIGENCE & MACHINE
LEARNING
(2019Pattern) (Semester-VI)

1. Write short note on Support vector machine algorithm.
2. State and explain properties of material used in sliding contact bearing.
3. Explain nodal method of optimization with example.
4. Differentiate between classification and regression.
5. Calculate the Entropy of the following distribution

Fruit Colour	Count
Yellow	5
Red	10
Green	15
Orange	20

6. Explain Decision tree algorithm with its terminology in detail.
7. Write short note on
1) Classification model 2) Hyper parameters tuning in the decision tree.
8. Explain five folded cross validation technique.
9. Explain characteristics of ANN.
10. Write short note on Markov Decision Process.
11. Explain Reinforced learning.
12. Explain how AI can be used for fault detection.