

Roll No.

Total No. of Pages : 01

Total No. of Questions : 08

M.Tech. (CSE) (Sem.-1)

MACHINE LEARNING

Subject Code : MTCS-105-18

M.Code : 75155

Date of Examination : 17-01-23

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWELVE marks.

1. Differentiate between Supervised and Unsupervised Learning.
2. Write a detailed note on multi-class/structured outputs and ranking in binary classification.
3. Define Clustering. How k-means performs clustering?
4. Define PCA. How it helps in dimensionality reduction?
5. Explain the procedure to evaluate machine learning algorithms.
6. Discuss Modeling sequence and Time series data in details.
7. Define Reinforcement Learning. Discuss also about Bayesian learning.
8. Write a note on recent trends in various models for IOT applications.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.