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Roll No

MCADD-702

M.C.A. (Integrated), VII Semester

Examination, May 2023

Data Sciences in Mining

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What is Statistical Inference - Populations and samples in Data Science?
b) Explain exploratory Data Analysis.
2. a) Explain Linear Regression with example.
b) Why Linear Regression and k-NN are poor?
3. a) What is Feature Generation and Feature Selection?
b) Explain Decision tree with the help of example.
4. a) What is Recommendation system? Also explain types of Recommendation system.
b) Give basic principles, ideas and tools for data visualization.
5. a) What are the Ethical Issues in Data Science?
b) What is Machine learning? Explain types of machine learning.

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6. a) Explain direct discovery of communities in a graph.
b) How to represent social networks as Clustering of graphs?
7. a) Explain about Three Basic Machine Learning Algorithms.
b) What is EDA? How it helps in Data Science?
8. Write short note on:
 - a) Linear Regression
 - b) Data Wrangling
