

Total No. of Questions : 8]

[Total No. of Printed Pages : 2

Roll No

MCADD-702

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

Examination, June 2020

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 Data Science? Also explain data science process.
b) Explain exploratory Data Analysis.
2. a) Explain Linear Regression with example.
b) What is Data Wrangling process? Explain with the help of examples.
3. a) What is feature extraction? Explain the advantages of feature extraction.
b) Explain Decision tree with the help of example.
4. a) What is Recommendation system? Also explain types of Recommendation system.
b) Explain feature selection algorithm.
5. a) What do you understand by Data visualization? Also discuss some data visualization tools.
b) What is Machine learning? Explain types of machine learning.

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[2]

6.
 - a) Explain direct discovery of communities in a graph.
 - b) How to represent social networks as graphs.

7. Write short note on
 - a) Principle component analysis
 - b) Singular value decomposition

8.
 - a) Explain random forests with the help of example.
 - b) Explain K-means algorithm.

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