Test 2 Examination

Programme: M.Tech.

Course Code: (DE) - 21002

Course Name: Data Science (Elective)

Branch: Robotics & Automation

Semester:I

Duration: 1 hr

PRN No.:_____

Faculty:Dr. Yogesh H. Kulkarni

Instructions

- Figures in the box indicate the full marks.

- Write your PRN Number on Question Paper.

Questions

1. 4 points Describe Exploratory Data Analysis (EDA) and types of analysis done in it.

2. 6 points Describe types of data with examples.

3. 4 points Describe types and subtypes of Machine Learning algorithms

4. 6 points Write Pandas Python function for the following:

   - Create Series using dictionary, with keys as index
   - Find top 10 rows of dataframe
   - Find columns of dataframe
   - Find statistical summary of dataframe
   - Select single column in dataframe
   - Find sub-dataframe from 1st to 3rd row, all columns