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PRESIDENCY UNIVERSITY BENGALURU

Department of Research & Development

Mid - Term Examinations - August 2024

Odd Semester: Ph.D. Course Work

Course Code: CSE898

Course Name: Machine Learning Algorithms

Department: CSE

Date: 12/08/2024

Time: 09:30am – 11:00am

Max Marks: 50

Weightage: 25%

Instructions:

- (i) Read the all questions carefully and answer accordingly.
 - (ii) Do not write any matter on the question paper other than roll number.
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PART A (THOUGHT PROVOKING)

Answer all the Questions. Each question carries 5 marks.

(4Qx 5M= 20M)

1. Explain different types of Machine Learning? (CO:01 BL:02)
2. What is 'training Set' and 'test Set' in a Machine Learning Model? How Much Data Will You Allocate for Your Training, Validation, and Test Sets? (CO:01 BL:02)
3. Explain the Confusion Matrix with Respect to Machine Learning Algorithms. (CO:02 BL:02)
4. What Are the Applications of Supervised Machine Learning in Modern Businesses? (CO:02 BL:02)

PART B (PROBLEM SOLVING)

Answer all the Questions. Each question carries 10 marks.

(3Qx 10M= 30M)

5. Illustrate different Machine Learning Steps (CO:01 BL:03)
6. Demonstrate K Nearest Neighbor Algorithm with example. (CO:02 BL:03)
7. Predict pros and cons of Machine Learning. (CO:02 BL:03)