PRESIDENCY UNIVERSITY
BENGALURU

Department of Research & Development

Mid - Term Examinations - August 2024

Odd Semester: Ph.D. Course Work   **Date: 12/08/2024**

Course Code: CSE5007   **Time: 09:30am – 11:00am**

Course Name: Machine Learning Algorithms   **Max Marks**: 50

Department: CSE   **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.

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)