PRESIDENCY UNIVERSITY
BENGALURU

Department of Research & Development

Mid - Term Examinations - August 2024

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

Course Code: CSE6001   **Time: 02:00pm – 03:30pm**

Course Name: Deep Learning   **Max Marks**: 50

Department: SOCSE   **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

Answer all the Questions. Each question carries 5 marks.   **(4Qx 5M= 20M)**

1. What are the challenges in Deep Learning? (CO:01   BL:02)

2. State the difference between Machine Learning and Deep Learning. (CO:02   BL:02)

3. Why should we use Batch Normalization? (CO:02   BL:02)

4. What is the function of Weights and Bias? (CO:02   BL:03)

PART B

Answer all the Questions. Each question carries 10 marks.   **(3Qx 10M= 30M)**

5. Explain any two architectures of DL network. (CO:02   BL:03)

6. How are biological neurons similar to artificial neural networks? Illustrate with an example. (CO:03 BL:03)

7. Justify the reason for calling Feedforward neural networks as networks (CO:03   BL:03)