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**PRESIDENCY UNIVERSITY
BENGALURU**

Department of Research & Development

Mid - Term Examinations - August 2024

Odd Semester: Ph.D. Course Work

Course Code: CSE868

Course Name: Deep Learning

Department: SOCSE

Date: 12/08/2024

Time: 02:00pm – 03:30pm

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

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)