Roll No.

First Sessional Tests 2024-25

BCA(DS & AI)-Fourth Semester

BCADSN14211: Deep Learning

Max. Marks: 30

Time:60 Minutes

(Section A) (5*1=5)

Q.1: Attempt all Questions:

a. What is primary difference between ML and DL?
b. Define ANN and Activation Function.
c. Define the term loss function and cost function.
d. What is forward propagation and backpropagation ?
e. Define the term optimizers.

(Section B)

(2*7.5=15)

Q2. Attempt any Two:

a. Differentiate between Overfitting and Underfitting.
b. What are the role of training, validation and testing in model training?
c. What is gradient descent and explain its types in detail ?
d. Explain the term model improvement in detail.

(Section C)

(10*1=10)

Q3. Attempt any ONE:

a. Explain deep learning and its applications in different fields.
b. Describe the working of ANN with well labeled diagram.
c. Explain the role of model evaluation measures in Deep Learning.