

B.Sc. Second Year (Data Science) NEP Semester-IV
BSCDS044 - Deep Learning

P. Pages : 1

Time : Two Hours



GUG/S/25/16835

Max. Marks : 40

1. a) What is linear Regression? State different types of linear regression. 4
b) Explain logistics regression with one variable? 4

OR

- c) Difference between logistics regression and linear regression. 4
d) What is Gradient Descent? 4
2. a) What is Regularization and its utility? 4
b) What is the application of regularization in linear regression? 4

OR

- c) What is the application of regularization in logistic regression? 4
d) What is the problem over fitting in regularization? 4
3. a) Explain neural networks and its characteristics? 4
b) Difference between gradient descent and perceptron training. 4

OR

- c) Explain Stochastic Gradient Descent with example. 4
d) Explain the Backpropagation Algorithm. 4
4. a) Explain history of Deep learning. 4
b) What are building block of neural network? 4

OR

- c) What is deep learning hardware. 4
d) What is Recurrent Neural Network? 4
5. a) What is features of Scaling/Selection. 2
b) Explain multilayer perceptron's. 2
c) Explain Regularization. 2
d) Explain Computer vision, sentiment analysis. 2
