

8

1 of 2

(10 Marks)

b. Give the list of adaptive learning rates algorithms. Write the Ada Grad algorithm. (10 Marks)

Module-4

- 7 a. Explain the following with suitable diagram.
 i) Sparse interactions ii) Parameter sharing. (10 Marks)
 - b. Explain briefly variant of the CNN models.

OR

- 8 a. Differentiate locally connected layers, tiled convolution and standard convolution with suitable example and diagram. (10 Marks)
 - b. Explain the different layers in CNN models and its function with a neat diagram. (10 Marks)

Module-5

- 9 a. Discuss about Bidirectional Recurrent neural networks. (10 Marks)
 - b. What is speech recognition? Explain the different types of speech recognition systems.

(10 Marks)

OR

- 10 a. Explain Long Short-Team Memory (LSTM) working principles along with all the equations. (10 Marks)
 - b. What is Natural language processing? Explain different steps involved in NLP. (10 Marks)