

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)

Chromepet, Chennai - 600 044.

M.Sc.Computer Science - END SEMESTER EXAMINATIONS - NOV'2024

SEMESTER - III

23PCSCT3009 - Deep Learning Techniques

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

Section B

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. Define Neural Network and Its types.
2. Illustrate the Layers of Convolution Operation in Neural Network.
3. Classify the concept of BAM Learning Algorithm in Neural Network.
4. Describe the Implementation of sentiment analysis using RNN.
5. Explain the testing algorithm in Hopfield Networks.
6. Classify the structured outputs of Convolutional Neural Networks.
7. Explain the concept of Deep Recurrent Network with an example.
8. Compare the features of CNN and RNN in Neural Network.

Section C

I - Answer any **TWO** questions ($2 \times 10 = 20$ Marks)

9. List out the Basic Models available in Neural Network.
10. Classify the Networks of Associative Memory.
11. Explain in detail about efficient convolution algorithms with examples.
12. Evaluate the effectiveness of the Back propagation Neural network Algorithm.

II - Compulsory question ($1 \times 10 = 10$ Marks)

13. Relate the working function of RNN and DRN in detail.
