

GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY

(Accredited by NAAC "A+" Grade)

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

III B.Sc.

Semester-VII

DEEP LEARNING

MODEL QUESTION PAPER (W.E.F 2023-2024)

Time: 2 ½ Hrs.

Max Marks: 50

SECTION - I

Answer any FIVE Questions

5 X 3 = 15M

1. What do you mean by Perceptron?
2. What is Artificial Neural Network?
3. Derive the Gradient Descent Rule?
4. Introduction to Convolution Neural Network
5. Explain Transfer Learning?
6. What is GRU?
7. What is named Entity Recognition?
8. Write about LSTM Models?

SECTION - II

Answer following question

5 X 7 = 35M

9. Write the Perception Algorithm?

(OR)

10. What Is the Difference Between a Feedforward Neural Network and Recurrent Neural Network?

11. Explain Back propagation with its algorithm.

(OR)

12. Explain the operation of deep learning feed forward neural networks

13. Explain the architecture of pre trained CNN Models

(OR)

14. Illustrate the operation of pooling layer in CNN with simple example

15. Justify the advantage of auto encoder over principal component analysis for dimensionality reduction.

(OR)

16. Compare and contrast LSTM and gated recurrent UNIT-s

17. What is Automatic image Captioning?

(OR)

18. Write about Parsing and Sentiment Analysis using Recursive Neural Networks