

Total No. of Questions : 4]

SEAT No. :

P-5243

[Total No. of Pages : 1

[6188]-198

B.E. (E & TC) (Insem.)

DEEP LEARNING

(2019 Pattern) (Semester - VII) (Elective - IV) (404185C)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) Answer any one Questions out of Q.No. 1 or 2, Q.No. 3 or 4.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data if necessary.
- 5) Use of scientific calculator is allowed.

- Q1) a) Explain the support vector machine. [6]
b) Explain Naïve Bayes classifier. [5]
c) State and explain the applications of machine learning. [4]

OR

- Q2) a) What is machine learning? Explain supervised, unsupervised and reinforcement learning with suitable example. [5]
b) Explain the working of logistic regression. [5]
c) Explain the decision tree with an example. [5]

- Q3) a) Explain the multilayer perceptron. [5]
b) Explain the placeholder Tensors. [5]
c) Explain the Keras. [5]

OR

- Q4) a) Explain the ANN architecture. [5]
b) Write a tensorflow code for addition of two numbers. [5]
c) Write the difference between PyTorch and Keras. [5]

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