

Total No. of Questions : 4]

SEAT No. :

P-5321

[Total No. of Pages : 1

[6188]-290

B.E. (A. I. D. S.) (Insem.)

MACHINE LEARNING

(2019 Pattern) (Semester - VII) (417521)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) Answers Q.1 or Q.2, Q.3 or Q.4.
- 2) Make suitable diagram wherever necessary.
- 3) Figure to the right indicate full marks.
- 4) Assume suitable data if necessary.

- Q1)** a) Compare Machine Learning with Traditional programming. [5]
b) What is Dimensionality Reduction, Explain any one Dimensionality Reduction technique. [6]
c) Write a note on Reinforcement Learning. [4]

OR

- Q2)** a) Explain parametric & nonparametric models in machine learning. [5]
b) Differentiate supervised and unsupervised learning techniques. [5]
c) Elaborate grouping and grading models. [5]

- Q3)** a) Elaborate random forest regression. [5]
b) Differentiate multivariate regression and univariate regression. [4]
c) Define Regression. Explain types of regression. [6]

OR

- Q4)** a) What is underfitting and overfitting in machine Learning explain the techniques to reduce overfitting? [5]
b) Explain any two Evaluation Metrics for regression. [5]
c) Explain Elastic Net regression in Machine Learning. [5]

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