

Roll No. ...2282300212...

Total No. of Questions : 6]

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EY-234

B.Tech. Vth Semester (New Scheme) CSE

Examination, 2023-24

Machine Learning

Paper - CS-501

Time : 3 Hours]

[Maximum Marks : 60

Note :- Attempt all questions. All questions Carry Equal Marks.

Question 1 is compulsory. There are Internal Choices
between Ques. 2 to Ques. 6.

1. Explain Briefly.

2×5=10

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(1)

P.T.O.

(ii) Data Parameters

(iii) SARSA

(iv) Blue Score

(v) Flowchart

Unit-I

2. (a) What are Techniques of Data Augmentation ?

Explain.

10

(b) Explain Data Preprocessing and its features?

OR

(a) Define and Normalize data Sets its features?

(b) Explain Statics and Linear Algebra for ML?

Unit-II

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(2)

3. (a) What are the terms Linearity and No-Linearity?

Explain.

10

(b) Explain the term Weight Initialization in ML?

OR

(a) What are Weights and Biases? Explain.

(b) What do you mean by Tuning hyper Parameters?

Unit-III

4. (a) Explain the term Padding Stride and Flattening?

10

(b) What is Dimension Reduction? Explain.

OR

(a) Explain Concepts of Inception Network?

(b) Define strategies of One Shot Learning?

Unit-IV

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(3)

5. (a) What is RL-Framework? Explain.

10

(b) What is Application of Reinforcement Learning? Explain.

OR

(a) Explain Bellman Equations and its method?

(b) Explain the Actor-critic mode and its characteristics?

Unit-V

6. (a) What is SVM? Explain its advantages.

10

(b) Explain Concepts of Bayesian Learning?

OR

(a) Explain NLP and its features?

(b) What do you mean Computer Vision in ML? Explain.

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(4)

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AJEET SONI