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Question Paper Code: U1905

M.E. DEGREE EXAMINATION, APRIL 2024

Elective

Computer Science and Engineering

21PCS505 - Machine Learning Techniques

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) Describe the perspective and issues in machine learning CO1- U (20)
Or
(b) Explain detail about theory of generalization CO1- U (20)
2. (a) Construct the Regularized Regression method and apply the regression functions in any one of the field of machine learning CO2- U (20)
Or
(b) How is KNN different from K-means clustering Justify your answer with proper example? CO2- U (20)
3. (a) Explain the distance weighted nearest neighbor algorithm CO3- U (20)
Or
(b) Discuss on Regression trees CO3- U (20)
4. (a) What is sequence learning? What are the different categories you can categorize the sequence learning process? CO4- U (20)
Or
(b) What is batch statistical learning? CO4- U (20)
5. (a) Explain detail about generalization in reinforcement learning. CO5- U (20)
Or
(b) Differentiates Correlated Equilibrium and Nash Equilibrium CO5- U (20)

