

R19

Code No: 56A9AB

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.Tech I Semester Examinations, July/August - 2021

STATISTICAL FOUNDATIONS OF ARTIFICIAL INTELLIGENCE
(Artificial Intelligence)

Time: 3 Hours

Max.Marks:75

Answer any Five questions
All questions carry equal marks

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1. Explain how classification is performed using Bayesian learning. [15]
 2. Describe in detail about posterior distribution and prediction. [15]
 3. Compare and contrast between Ridge and Lasso. [15]
 4. Illustrate the concept of square loss and its limitations. [15]
 5. Explain in detail about the Kernel regression and kernel density estimation. [15]
 6. Describe the concept of Support vector decomposition demo with low-rank plus noise matrix. [15]
 7. Explain in detail about Inseparable problems and hinge loss. [15]
 8. Describe in detail about Lagrangian and proximal support vector machines. [15]

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