

Code No: R194203R

R19

Set No. 1

IV B.Tech II Semester Supplementary Examinations, May/June – 2024

ENTREPRENEURSHIP

(Open Elective)

Time: 3 hours

Max. Marks: 75

*Answer any FIVE Questions
ONE Question from Each unit
All Questions Carry Equal Marks

UNIT I

- 1 a) Define entrepreneurship and discuss its significance in today's economy. [7]
b) Identify and discuss the key characteristics of successful entrepreneurs. [8]
(OR)
- 2 a) Explain the importance of knowledge and skills for entrepreneurs. [7]
b) Analyze the challenges and opportunities associated with entrepreneurship as a career choice. [8]

UNIT II

- 3 Discuss the impact of family and societal factors on entrepreneurship. [15]
(OR)
- 4 a) Discuss about Entrepreneurship Development Training. [7]
b) Examine the role of central and state government industrial policies and regulations in entrepreneurial activities. [8]

UNIT III

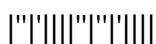
- 5 Explain the concept of prefeasibility study in the context of business planning. [15]
(OR)
- 6 a) Discuss the various forms of ownership structures available to entrepreneurs. [7]
b) Explain the process of feasibility report preparation. [8]

UNIT IV

- 7 What are the primary financial considerations for launching a small business and how can entrepreneurs secure initial funding? [15]
(OR)
- 8 Describe the key components of a successful product launch strategy for a small business. [15]

UNIT V

- 9 Explain the key performance indicators that small business owners should monitor to assess the health and performance of their business. [15]
(OR)
- 10 Discuss in detail about Rehabilitation of Business Units. [15]



Code No:R164205B

R16

Set No. 1

IV B.Tech II Semester Supplementary Examinations, May/June – 2024

ARTIFICIAL NEURAL NETWORKS

(Common to Computer Science & Engineering and Information Technology)

Time: 3 hours

Max. Marks: 70

Question paper consists of Part-A and Part-B

Answer ALL sub questions from Part-A

Answer any FOUR questions from Part-B

PART-A(14 Marks)

1. a) Write any four applications of artificial neural networks. [2]
- b) Describe the systems of linear equations and substitutions briefly. [2]
- c) Define perceptron and its structure. [3]
- d) What notations are used in back propagation algorithm derivation. [2]
- e) Define multilayer perceptron and Radial Basis Function networks. [2]
- f) Write a short note on inner product kernels. [3]

PART-B(4x14 = 56 Marks)

2. a) Describe various functional aspects of artificial neuron model with respect to activation functions. [7]
- b) “Neuron inhibition depends on activation function” Justify this statement with different types of activation functions. [7]
3. a) Illustrate the working principles of supervised learning with an example. [7]
- b) Describe the importance of mean square error in delta learning rule? Explain the impact of continuous activation function in it. [7]
4. a) Provide an example illustrating the use of Bayes' classifiers for pattern classification. [7]
- b) Describe the multilayer perceptron (MLP) and how it overcomes the limitations of single-layer perceptron's. [7]
5. a) Define multi-layer feedforward networks and their components. [7]
- b) Explain the advantages and disadvantages of each network topology in specific applications. [7]
6. a) Discuss the bias-variance trade-off and its relation to regularization. [7]
- b) Explain different types of regularization methods such as L1 regularization (Lasso) and L2 regularization (Ridge). [7]
7. a) Describe the components of an SVM, including the kernel function, decision function and margin. [7]
- b) Explain various constraints involved in quadratic optimization for finding the optimal hyperplanes. [7]

