

UNIT-II

S.No	Questions	BT	CO	PO
Part – A (Short Answer Questions)				
1	Mention the merits of Back Propagation Network.	L4	CO 2	PO2
2	Discuss briefly about feature detection?	L1	CO 2	PO2
3	Write the significance of learning curve.	L1	CO 2	PO2
4	How are linear least square filters used in single layer perceptrons?	L1	CO 2	PO2
5	State Adaptive filtering problem.	L1	CO 2	PO2
Part – B (Long Answer Questions)				
6	Describe the Back Propagation algorithm in the context of multilayer perceptrons. Discuss its role in training multilayer perceptrons and how it addresses the XOR problem.	L2	CO 2	PO2
7	Discuss the relation between a perceptron and the Bayes classifier for a Gaussian environment. Explain how a perceptron can approximate the Bayes classifier in a Gaussian setting.	L2	CO2	PO2
8	State and prove the perceptron convergence theorem	L3	CO2	PO2
9	Explain back propagation algorithm XOR problem	L2	CO2	PO2
10	Explain Feature detection in multilayer perception.	L2	CO2	PO2