

UNIT-IV

S.No	Questions	BT	CO	PO
Part – A (Short Answer Questions)				
1	What is genetic offspring?	L1	CO4	PO1
2	Write any two differences of Principal Component Analysis. (PCA) and Linear Discriminate Analysis. (LDA)	L1	CO4	PO1
3	What are genetic Operators?	L1	CO4	PO1
4	What is data reduction in machine learning?	L1	CO4	PO1
5	What is a crossover in genetic algorithm?	L1	CO4	PO1
6	Define Linear Discriminate Analysis	L1	CO4	PO1
7	Define Isomap ?	L1	CO4	PO1
8	which algorithm is used in Map Colouring and Punctuated Equilibrium	L1	CO4	PO1
9	What is mutation in genetic algorithm	L1	CO4	PO1
10	What is Evolutionary learning ?	L1	CO4	PO1
11	Write any two applications of Linear Discriminant Analysis	L1	CO4	PO1
12	What are uses of Genetic algorithm ?	L1	CO4	PO1

S.No	Questions	BT	CO	PO
Part – B (Long Answer Questions)				
1	Explain Classification and Regression Trees (CART) algorithm	L2	CO4	PO1
2	Explain Linear Discriminate Analysis.	L2	CO4	PO1
3	Explain Principal Component Analysis	L2	CO4	PO2
4	Describe the basic concept of Genetic Algorithms	L3	CO4	PO2
5	Describe Independent Component Analysis	L3	CO4	PO1
6	Describe steps involved in conducting a factor analysis	L3	CO4	PO1
7	Explain locally linear embedding in detail.	L2	CO4	PO1
8	Explain ISOMAP and Least Squares Optimization	L3	CO4	PO1
9	Distinguish between Principal Component Analysis. (PCA) and Independent Component Analysis.(ICA) ?	L3	CO4	PO2