Set 1

1	Define A.I. Based on Turing test can we infer machine as an intelligent agent.	7
2.	Write about the stages of development of Expert system.	8
3.	Define agents and its types. Write about Simple reflex agent.	7
4	Define Neural network. Write about Perceptron Training Algorithm	8

Set 2

1	Define Knowledge and learning. Write about Model Based Agent.	7
2.	Define Searching. Write about A* algorithm with an example.	8
3.	Define genetic algorithm and its flow chart.	7
4.	Explain Expert System Organization with neat diagram.	8

Set 3

1.	Define Environment. Write about Goal Based Agent.	7
2.	What are the criterions to measure performance in searching? Write about BFS and DFS.	8
3.	What are the steps in searching? Explain Nearest Neighbor Method in Pattern Classification.	7
4.	What are Expert System Tools on the basis of Representation Techniques?	8

Set 4

1.	What is an Agent programme? Write about Utility based agent.	7
2.	Define Hill Climbing. Draw game tree for TTT along with its evaluation function. [up to level 2]	8
3.	Write about Back propagation training algorithm with an example.	7
4.	Define Bayes Network, Markov Network, Biological Neural Network and ANN.	8

Set 5

1.	What is rational agent? Write about Learning Agent.	7
2.	Write about simulated annealing search. Find the time complexity for BFS.	8
3.	Write about back Propagation Training algorithm.	7
4.	What are the characteristics of Expert system?	8