

M.C.A.(Sem-IV) April-2023

[Three Hours]

[TOTAL MARKS: 80]

Note: 1) Question no. 1 is compulsory
2) Attempt any Three from remaining question.

- Q1. A) What is AI? Explain Domain of AI. 10
B) Explain the Structure of Intelligent agent. 10
- Q2. A) Explain the Model-based reflex agent. 10
B) What is 8-queen Problem. Explain in details. 10
- Q3. A) Write a short note of the following: 10
a. Depth first search
b. Breadth first search
B) Discuss various types of knowledge representation ways. 10
- Q4 A) What are the advantages of Fuzzy logic in Artificial Intelligence? 10
B) Explain the types of Artificial Neural Network. 10
- Q5 A) What is genetic algorithm. What are the limitations of genetic algorithm. 10
B) Write down the difference between Biological Neuron and Artificial Neuron. 10
- Q6 A) What is Rosenblatt perceptron? 10
B) Explain MaxNet in detail 10
