Exam. Code : 208602
Subject Code : 4670

M.Sc. Information Technology 2nd Semester

FUZZY SYSTEMS

Paper : MIT-204

Time Allowed—Three Hours]   [Maximum Marks—100

Note :— Attempt any **FIVE** questions, all questions carry equal marks.

1. What is the importance of Fuzzy Logic ?

2. What is Fuzzy Relation ? How is it defined ? Discuss with an example.

3. What is the use of probability theory in fuzzy logic ?

4. What is fuzzy implication ? Discuss any one implication operator.

5. What do you mean by fuzzy genetic algorithm ?

6. Discuss an example of a database System using fuzzy logic.

7. What is the use of fuzzy logic in Artificial Intelligence ?

8. Write short notes on any **TWO** of the following :—

    (a) Neuro Fuzzy Systems

    (b) Pattern Recognition

    (c) Fuzzy Graphs.

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