M.Sc. Information Technology 2ⁿᵈ Semester

MIT-204 FUZZY SYSTEMS

Time Allowed—3 Hours]   [Maximum Marks—100

Note :— Attempt **five** questions in all by selecting at least **one** question from each Section. **All** questions carry equal marks.

SECTION—A

1. What is a fuzzy system ? Explain the utility of the systems.

2. What is a fuzzy set ? Explain any four properties of the fuzzy sets.

SECTION—B

3. What is crisp relation ? Explain the possible operations on crisp relations.

4. What is defuzzyfication ? Explain.

SECTION—C

5. Explain the concept of approximate reasoning.

6. How can we use Rank Order for determining membership function ?

6984(2519)/EBH-1224   1   (Contd.)

SECTION—D

7. What are the features available in matlab for fuzzy system ?

8. What is multiobjective decision making ?