

Exam. Code : 208602

Subject Code : 5285

M.Sc. Information Technology 2nd Semester

FUZZY SYSTEMS

Paper-MIT-204

Time Allowed—3 Hours]

[Maximum Marks—100

Note :- Attempt any **FIVE** questions. All questions carry equal marks.

1. What is a Fuzzy Sytem ? What are the utilities of the systems ?
2. What is a classical set ? What are the possible operations on them ? Explain with examples.
3. Explain the fuzzy cartesian product with an example.
4. What is fuzzyfication ? Explain.
5. What is a membership function ? What are the techniques to develop it ?
6. What is multi objective decision making ? Explain.
7. What are the features available in MATLAB for fuzzy systems ?
8. Write short notes on any **TWO** of the following :
 - (a) Crisp relation
 - (b) Neural networks
 - (c) Fuzzy ordering.