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#### Exam. Code : 208602 Subject Code : 4129

# M.Sc. Information Technology 2<sup>nd</sup> Semester **MIT-204 FUZZY SYSTEMS**

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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-

- What is a fuzzy system? Explain the utility of the systems. 1.
- What is a fuzzy set? Explain any four properties of the 2. fuzzy sets.

### SECTION-B

- What is crisp relation ? Explain the possible operations 3. on crisp relations.
- What is defuzzyfication? Explain. 4.

## SECTION-C

- 5. Explain the concept of approximate reasoning.
- How can we use Rank Order for determining membership 6. function?

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## SECTION-D

- 7. What are the features available in matlab for fuzzy system ?
- 8. What is multiobjective decision making?

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