

**W-3319**

**M.A./M.Sc. (Fourth Semester) (ATKT) Examination, June-2020**

**MATHEMATICS**

**Paper - 406**

**Fuzzy Sets and Their Applications**

*Time : Three Hours*

*Maximum Marks : 85 (For Regular Students)*

*Minimum Pass Marks : 29*

*Maximum Marks : 100 (For Private Students)*

*Minimum Pass Marks : 34*

**Note :** Attempt **all** questions.

**Unit-I**

Q.1. Define fuzzy graphs and also discuss composition of Fuzzy relations.

**Unit-II**

Q.2. Discuss the Zadeh's extension principle.

**Unit-III**

Q.3. Define composition of Fuzzy relations.

**Unit-IV**

Q.4. Explain possibility distribution and Fuzzy set.

**Unit-V**

Q.5. Discuss Fuzzy propositions.

