The University of Burdwan
M.Sc. Computer Science 4th Semester Examination- 2019
Subject: Computer Science
Paper: MCS-402

F.M: 22.5   **Time: 1 hr**

1. Answer any one of the following questions: **(1 × 7.5)**

   a. Briefly describe fuzzification method.

   b. How does genetic algorithm work?

2. Answer any three of the following questions: **(3 × 5)**

   a. Describe composition of fuzzy relation with suitable example.

   b. Write centroid method of defuzzification with an example.

   c. Check whether the following statement is tautology or not.
       $(A \rightarrow B) \leftrightarrow (\sim B \rightarrow \sim A)$

   d. What do you mean by LR-type fuzzy numbers?

   e. Describe fitness function with an example.