1. Provide a definition of Fuzzy Logic. [2 marks]

Fuzzy logic is a form of multi-valued logic derived from fuzzy set theory to deal with reasoning that is approximate rather than precise.

2. Describe 3 advantages of fuzzy logic compared with other AI methods. [3 marks]

- Fuzzy logic uses degrees of truth as a mathematical model of vagueness.

- Fuzzy logic resembles how a human make decision and in faster way.

- Fuzzy logic uses linguistic variables, as oppose to numeric values, to facilitate the expression of rules and facts.

3. Name 2 key players in fuzzy logic. [2 marks]

- Dr. Lofti Aliasker Zadeh

- Thomas Bayes

4. Identify 3 areas of fuzzy logic application. [3 marks]

- Medicinal / Health / Dianogsis

- Engineering and Technology

- Economics, Finance and Politics