

Question No: 1 (Marks: 1) - Please choose one

We can get optimal solution given some parameters using Genetic Algorithm.

- ▶ **True (Page 79)**
- ▶ False

Question No: 2 (Marks: 1) - Please choose one

_____ reasoning is based on forming, or inducing a 'generalization' from a limited set of observations.

- ▶ Deductive
- ▶ Abductive
- ▶ Analogical
- ▶ **Inductive (Page 102)**

Question No: 3 (Marks: 1) - Please choose one

_____ is the process of deriving logical conclusions from given facts.

- ▶ Representation
- ▶ Execution
- ▶ **Reasoning (Page 102)**
- ▶ Planning

Question No: 4 (Marks: 1) - Please choose one

Identify the correct step used to start design of an expert system.

- ▶ **Feasibility study (Page 129)**
- ▶ Problem reorganization
- ▶ Scope study
- ▶ Rapid prototyping

Question No: 5 (Marks: 1) - Please choose one

Any statement can be fuzzy

- ▶ **True (Page 147)**
- ▶ False

Question No: 6 (Marks: 1) - Please choose one

If the antecedent is only partially true, then the output fuzzy set is truncated according to the _____ method

- ▶ Intrinsic
- ▶ **Implication (Page 153)**
- ▶ Boolean
- ▶ None of the given

Question No: 7 (Marks: 1) - Please choose one

Choose the fields in which Fuzzy inference systems have been successfully applied:

- ▶ automatic control
- ▶ data classification
- ▶ decision analysis
- ▶ **All of the given (Page 153)**

Question No: 8 (Marks: 1) - Please choose one

Fuzzy logic is actually a superset of conventional Boolean logic

- ▶ **TRUE (Page 150)**
- ▶ FALSE

Question No: 9 (Marks: 1) - Please choose one

A classical set is a container, which wholly includes or wholly excludes any given element.

- ▶ **TRUE (Page 145)**
- ▶ FALSE

Question No: 10 (Marks: 1) - Please choose one

The degree of truth that we have been talking about is specifically driven out by a function called the _____ function.

- ▶ **Membership (Page 149)**
- ▶ Ordinary
- ▶ Fuzzy
- ▶ Inline

Question No: 11 (Marks: 1) - Please choose one

The tractable problems are further divided into structured and _____ problems

- ▶ Non-structured
- ▶ **Complex (Page 166)**
- ▶ Simple