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COURSE CODE :COM 423

COURSE TITLE:EXPERT SYSTEM AND MACHINE LEARNING

LEVEL :HND2

### ASSIGNMENT ON COM 422

### HOW DOES EXPERT RESOLVE RULE BASE CONFLICT

#### (ANSWER)

An expert system resolves rule base conflicts by prioritizing and selecting rules based on various strategies such as:

- The more specific rule is chosen.
- **RULE ORDERING:** Rules are applied based on assigned priorities.
- The most recently added rule takes precedence
- Rules with higher importance levels are selected.
- Predefined strategies determine which rule to apply.
- : Certain rules are marked to take precedence in specific cases.
- **META-RULES:** Higher-level rules guide the application of other rules.

**FIRST APPLICABLE RULE:** Rules are checked in order, and the first applicable one is used.