**NAME :ONYEKWERE MARY**

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**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:

▪**︎Specificity Principle:** The more specific rule is chosen.

▪︎**Rule Ordering**: Rules are applied based on assigned priorities.

▪**︎Recency Principle:** The most recently added rule takes precedence

▪**︎Salience Levels:** Rules with higher importance levels are selected.

**▪︎Conflict Resolution Strategies:** Predefined strategies determine which rule to apply.

▪**︎Exceptions and Overrides**: 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.