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## B.Com Sem-II

\* Logical connectives are words or symbols used to connect and combine statements or propositions in logic, mathematics, and computer science. They help to form more complex statements or arguments by linking simpler statements together.

⇒ Types of logical connectives :-

- ① Conjunction (**AND**): Connects two statements, both of which must be true for the resulting statement to be true.
  - Example: "It is raining **AND** the streets are wet."
- ② Disjunction (**OR**): Connects two statements, at least one of which must be true for the resulting statement to be true.
  - Example: "It is either raining **OR** the streets are wet."
- ③ Negation (**NOT**): Used to negate or deny a statement. Ex: "It is **NOT** raining".
- ④ Implication (**If-Then**): Connects two statements, where the first statement implies the second.
  - Example: "If it is raining, **Then** the streets are wet".