# B.Tech Semester 3 (2024-2025)
## Subject : ADBMS
## Assignment - 1

1. Explain Generalization and specialization with suitable examples.
2. What is mapping cardinalities? Explain with a diagram.
3. Brief following keywords with details.
   a. Primary Key
   b. Foreign Key
   c. Views
   d. Candidate Key
4. What do you mean by functional dependency? By taking suitable examples demonstrate below mentioned dependency.
   a. Trivial
   b. Non-trivial
   c. Partial
   d. Multivalued
   e. Transitive
5. What is normalization? Explain below listed normal forms with detailed examples.
   a. First Normal Form
   b. Second Normal Form
   c. Third Normal Form
   d. Boyy Codd Normal Form
6. Explain types of attributes by taking suitable examples.
7. Differentiate between strong entity set and weak entity set.
8. Explain Lossy and Lossless Decomposition
9. Explain natural join and cross join with examples.
10. Explain types of outer join with examples.