**20IT4304 Database Management Systems**

**Assignment II questions from Unit III**

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| **S.No** | **Question** | **CO Mapping** | **BTL** |
| 1 | a. Design an ER diagram for a BANK database schema | CO1 | Apply |
| 2 | a.What is an entity type? What is an entity set? Give example each. Explain the differences among an entity, an entity type, and an entity set  b.Develop an ER diagram for a UNIVERSITY database schema | CO1 | Understand |
| 3 | a.Explain in detail 1st, 2nd and 3rd Normal Forms with examples. | CO1 | Remember |
| 4 | 1. Discuss insertion, deletion, and modification anomalies. Why are they considered bad? Illustrate with examples | CO3 | Analyze |
|  |  | CO3 | Understand |
|  |  | CO3 | Apply |
| 7 | a.Illustrate Join operations in relational algebra with example each.  b. Demonstrate Division operation in relational algebra with an example. | CO2 | Apply |