

**Tilak Maharashtra Vidyapeeth, Pune**  
**Bachelor of Computer Applications**  
**Internal Assignment**  
**Subject: RDBMS - Theory**

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**Assignment No 1.**

**Marks 20**

1. Define the following terms  
Primary key, Foreign key, Entity, Weak entity and Indexes.
2. What is normalization? Explain with proper example.
3. What are the advantages and disadvantage of RDBMS?
4. Explain the following concepts.
  - a) Data Abstraction.
  - b) Data Independence

**Assignment No 2.**

**Marks 20**

1. List the roles of database administrator.
2. List and explain the different types of database users.
3. What are the benefits and uses of triggers?
4. Write all advantage of stored procedures and functions.

**Assignment No 3.**

**Marks 20**

1. Explain the following terms.  
DML(Give example), DDL(Give example), E.F.Codd's Rules.
2. Explain in detail ER Diagram with suitable examples.
3. Write and explain the different aggregate functions.
4. Write and explain group by clause, having clause.
5. Explain different Joins.