

School of Engineering

Subject Name: Data Base Management System

Subject Code: MR20-1CS0302

Question Bank

Unit-I

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| 1 | What is Data Model? List out various Data Model and explain with suitable example. |
| 2 | Describe the Structure of Database Management system with a neat diagram. |
| 3 | Differentiate between File System and Database Management System. |
| 4 | What is meant by Data Abstraction? Describe various levels of Data Abstraction. |
| 5 | Define Data Independence. Describe Physical Data Independence and Logical Data Independence with a neat diagram. |

**Unit-II**

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| 1 | What is Relational Model? List out various Relational Integrity Constraints with examples. |
| 2 | List out the types of keys and explain them with examples. |
| 3 | Construct an Entity Relationship diagram for a University Database. Assume your own entities (Minimum of 5 entities), attributes and relations. |
| 4 | What is Relational Algebra? List out various types of Relational operations and explain with an example. |
| 5 | What is Relational Calculus? Describe types of Relational Calculus with suitable example. |

**Unit-III**

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| 1 | Explain Create, Insert, Delete, Select commands with examples. |
| 2 | Identify and list various Data definition Language (DDL) commands.  Create a table by specifying 5 attributes and insert 5 records. |
| 3 | Identify and list various Data Manipulation Language (DML) commands.  Explain DML commands with suitable example. |