

MCS 207 Syllabus

Block-1 The Basic Concepts

Unit 1: Database Management System – An Introduction

Unit 2: Relational Database

Unit 3: ER Model

Unit 4: File Organisation in DBMS

Block-2 Database Normalisation and Database Query

Unit 5: Integrity, Functional Dependence and Normalization

Unit 6: Higher Normal Forms

Unit 7: Structured Query language

Unit 8: Complex Queries

Unit 9: Advanced SQL

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Block-3 Database Transactions and Query Processing

Unit 10: Transaction Management

Unit 11: Database Recovery and Security

Unit 12: Query Evaluation

Block-4 Introduction to Advanced Database Models

Unit 13: Object Oriented Database

Unit 14: Data Mining and Data Warehousing

Unit 15: NOSQL databases

Unit 16: Emerging Database Models

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