



MBA DEGREE EXAMINATIONS: APRIL / MAY 2023

(Regulation 2021)

Third Semester

MASTER OF BUSINESS ADMINISTRATION

P21MBE0184: Database Management Systems

COURSE OUTCOMES

CLO1: Explain the understanding of the fundamental principles of Database Management systems

CLO2: Display the competence to manage data using Database Management Systems

CLO3: Build an appropriate Database Design based on the business problem

Time: Two Hours

Maximum Marks: 50

PART A (1Q x 10 Marks = 10 Marks)

COMPULSORY

- 1 Construct the Entity Relationship (ER) diagram with Chen's database notation for the following scenario explaining the academic administration of a Business School based on Coimbatore. CO3 [K₆]
- The Business School has many Specializations (Departments).
 - Each Specialization has multiple faculty members; one among them is the Centre Head.
 - A faculty member belongs to only one Specialization.
 - Each Specialization offers multiple Elective courses, each of which is taught by a single faculty member.
 - A student may enroll for many Elective courses offered by different Specializations.

PART B (2Q x 5 Marks = 10 Marks)

Attend All Questions

- 2 Compare one tier, two tier and three tier DBMS architecture. CO1 [K₄]
- 3 Compare Hierarchical, Network and Relational Data models. CO1 [K₄]

PART C (3Q x 10 Marks = 30 Marks)

Attend All Questions

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| 4 | Explain the importance of Database Normalization and discuss the various database normal forms (1NF,2NF & 3NF) with relevant examples. | CO2 | [K ₅] |
| 5 | Explain the various SQL Joins with their relevant SQL statements and examples. | CO2 | [K ₅] |
| 6 | Evaluate the ACID Properties from Database Management Systems with relevant examples. | CO2 | [K ₅] |
