



BHARATI VIDYAPEETH'S

INSTITUTE OF COMPUTER APPLICATIONS & MANAGEMENT (BVICAM)

(Affiliated to Guru Gobind Singh Indraprastha University, Approved by AICTE, New Delhi)

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Course Code: MCA-108

Course Name: Database Management Systems

Class Test 1

Time: 1 Hour

Max Marks: 20

Note: Q1. is compulsory. Attempt any two questions from the rest.

Q1. Carries 10 marks.

Q2. To Q4. carry 5 marks each.

1. Draw an EER diagram to capture the following: (10)
 - Movies and TV shows are identified by a title, release year, and country.
 - Movies, TV shows, and actors may have won or been nominated for awards (with the name of the award, year, category, and result - win or loss - included).

Also write conceptual schema commands for your EERD.

Also discuss, is specialization appropriate here? Why or Why not?
2. What do you mean by Data Independence? Explain the types of Data Independence with examples.
3. Explain the difference between strong and weak entities. Also give an example to illustrate the use of weak entities and their implementation in SQL.
4. What is Abstraction? Explain how 3-tier model of DBMS supports abstraction.