



Bangladesh University
Department of Computer Science and Engineering
Final Term Examination, Fall Semester 2025

Course code: CSE 3101

Course Title: Database System

Batch: 69 (Evening)

Total Marks: 40

Time: 2 hours

[SET-A]

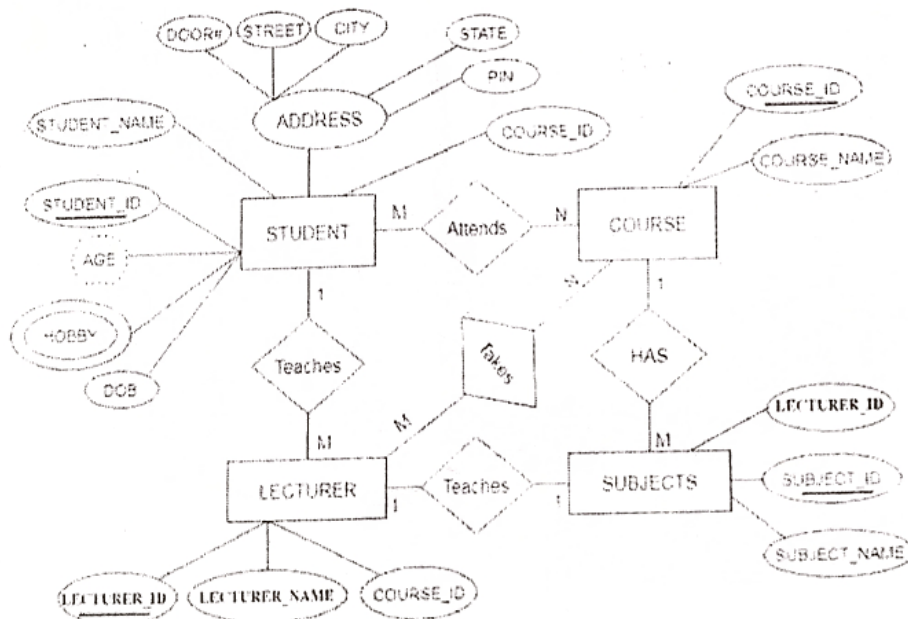
5*4=20

1. Explain the following concepts (Any Four)
 - a. Describe DML, DDL Language with figure?
 - b. Write Difference between Primary key, Unique Key?
 - c. What is SQL, Write down About Foreign key?
 - d. Describe domain and entity integrity constraints?
 - e. Describe Codd's Law?

[SET-B]

[Answer any 2 questions out of 3]

1. Describe Left join, right join, full join with example? 10
2. Convert Below ERD into Schema diagram and create UML Diagram? 10



3.

10

ID	product_id	quantity_sold	sale_date	total_price
1	101	5	2024-01-01	2500.00
2	102	3	2024-01-02	900.00
3	103	2	2024-01-02	60.00

Table =Orders

- I. Write SQL Query to show all records of order table?
- II. Retrieve the id and sale date from the order table?
- III. Filter the Orders table to show only order with a total price greater than \$70?
- IV. Calculate the total revenue generated from all sales in the Order table?
- V. Retrieve the 2nd highest price product from the table?