

	<b>Hazara University Mansehra</b>
	<b>Department of Computer Science &amp; Information Technology</b>
	<b>Mid Term Exam (OBE Based)</b>
	<b>Fall 2024</b>

Course Code: CS300

Date:

Instructor: Muneeba Darwaish

Title: Database System

Time: 2 hrs

Max Marks: 30

Name \_\_\_\_\_

Roll Number \_\_\_\_\_

**NOTE:**

- If you think that there is something wrong with any of the questions, make and state an appropriate assumption and use it to solve the problem.
- Students should score 40% in OBE specific questions to ensure their accumulated scores towards respective PLOs are above 40%
- Attach the Question Paper with your answer sheet.

S/No		CLO	GA	Marks
Q No1	Write any five properties of relational tables. For what purpose do we use relational data model? Define primary key and give one example.	1	2	5+5
Q No 2	How do three tier architecture work in the development of database? How three-tier architecture provide benefit in database development?	2	4	5+5
Q No 3	Design and implement a database for a small e-commerce platform. Your database should include tables for <b>Customers</b> , <b>Products</b> , and <b>Orders</b> . Table specifications: <b>1 customers</b> (customer Id, first name, last name,email, phone), <b>2 Products</b> (Product Id, product name, price, stock quantity) <b>3 order</b> (order Id, customer id, order date) <b>a)</b> Write the SQL code to create the above tables in your chosen DBMS. <b>b)</b> Write an SQL statement to insert at least two records into each table.	4	5	6+4