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Lab Final Examination: Spring-2025
Course Code: CIS 222L (Batch: 18_A)
Course Title: Database Management System Lab
Date: 15/04/2025

Time: 1 Hour **Total Marks: 40**

Database: University_Enrollment_System

Table: Enrollment

Student_ID	Student_Name	Course_ID
232-16-019	Alif	CIS 222
232-16-019	Alif	CIS122
232-16-020	Tanim	CIS 222
232-16-020	Tanim	CIS 131
232-16-022	Ratul	CIS 313
232-16-024	Riad	IoT325

Table: Departments

Department	Department_Head	Head_Age
CIS	Md. Sarwar Hossain Mollah	42
CSE	Dr. Sheak Rashed Haider Noori	45
SWE	Dr. Imran Mahmud	45

Table: Courses

Course_ID	Course_Name	Teacher	Department
CIS 222	DBMS	Mr. Mehedi	CIS
CIS122	DS	Mr. Himel	CIS
CIS 131	CAO	Mr. Israfil	CSE
CIS 313	AI	Mr. Mizan	CSE
IoT325	EDC	Mr. Nafees	SWE

Task 1 – Basic Structure (15 Marks)

Q1. Create the table and insert data as per the mentioned above under the "**University_Enrollment_System**" database.

Task 2 –SQL Query (5×5=25 Marks)

Q2. List the number of students enrolled in each course

Q3. Find the teachers who teach courses with IDs containing '22'

Q4. Find the teacher(s) with the highest age

Q5. Find the number of courses each department offers

Q6. Find the Course with the Most Enrollments

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Lab Final Examination: Spring-2025

Course Code: CIS 222L (Batch: 18_B)
Course Title: Database Management System Lab
Date: 15/04/2025

Time: 1 Hour **Total Marks: 40**

Database: Hospital_Management_System

Table: Doctor

DoctorID	DoctorName	DoctorSpecialization
D101	Dr. Smith	General Medicine
D102	Dr. Allen	Neurology
D103	Dr. White	Cardiology

Table: Patient

PatientID	PatientName
P001	John Doe
P002	Jane Roe
P003	Mary Lee

Table: Visit

PatientID	DoctorID	VisitDate	Symptom	Medication
P001	D101	1/10/2024	Fever	Paracetamol
P001	D101	1/10/2024	Cough	Cough Syrup
P002	D102	2/15/2024	Headache	Aspirin
P002	D102	2/15/2024	Nausea	Antacid
P001	D103	3/18/2024	Chest Pain	Painkillers
P003	D102	4/5/2024	Dizziness	Antivert

Task 1 – Basic Structure (15 Marks)

Q1. Create the table and insert data as per the mentioned above under the "Hospital_Management_System" database.

Task 2 –SQL Query (5×5=25 Marks)

Q2. List the number of medications prescribed per patient

Q3. Update a medication from 'Cough Syrup' to 'Napa'

Q4. Find the most recent visit date

Q5. Find patients who visited 'Dr. Allen'

Q6. Find patients who have had more than 1 visit