UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 4th Semester Examination, 2022

CC10-COMPUTER SCIENCE (CC-43L) (PRACTICAL)

DATABASE MANAGEMENT SYSTEMS LAB

Time Allotted: 2 Hours   Full Marks: 20

The questions are of equal value.
The figures in the margin indicate full marks.
All symbols are of usual significance.

Lab:	**15**
Viva:	**5**
Total	**20**

Answer any *one* question

1. (a) Create and populate the tables Student(<u>Roll</u>, Name, Address) and   20
   Result(<u>Roll</u>, Total_Marks)

   (b) Find the marks of the student whose name starts with 'S'.

   (c) Display the name of the student who obtained highest marks.

2. (a) Create and populate the tables Friends(<u>Name</u>, DoB) and   20
   Address(<u>Name</u>, Address)

   (b) Sort the Friends table by DoB.

   (c) Display the address of the friend whose DoB is 25/04/2006.

3. (a) Create and populate the tables Product(P_no, P_name) and   20
   Price(P_no, Price).

   (b) Display the name of the product whose price is greater than the average price.

   (c) Update and display the product price after an increment of 10%.

4. (a) Create and populate the tables Train (T_no, Src, Dest) and   20
   Schedule(T_no, Dep_time).

   (b) Display the train numbers whose Src is 'NJP'.

   (c) Display T_no, Src, Dest, Dep_time of all trains grouped by Dep_time.

5. (a) Create and populate the tables Loan(Br_name, loan_no, cust_name, amount) and Deposit(Br_Name, account_no, cust_name, balance). 20

   (b) Find all customers who have loan or an account or both at 'Raiganj' branch.

   (c) Delete and display the modified loan table after removing the customers whose balance in Deposit table is zero.

6. (a) Create and populate the tables Emp(emp_id, name, phone, skill, salary, dept_no, dept_name, job_no, job_title). 20

   (b) Display the name and phone numbers of all employees group by their depts.

   (c) Display the salary of all employees after an increment of 3%.

7. (a) Create and populate the table Student(r_no, name, course, DoB, percentage, class). 20

   (b) Display the list of students having 'First class' from 'BBA' course.

   (c) Display the names of the students who secured highest percentages from each of the courses.

8. (a) Create and populate the table Employee(emp_no, dept_no, name, salary, DoB, city). 20

   (b) Display the average salary of all the employees.

   (c) Display the age of all the employees.

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