



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL

B.Sc. Programme 6th Semester Examination, 2022

SEC2-P2-COMPUTER SCIENCE (SEC-4L) (PRACTICAL)

MYSQL 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*

Practical: 15

Viva: 5

Total 20

Answer any *one* question on lottery basis

1. Consider the following table for Students' information.
STUDENT (Sid, Name, Adm_date, City, Paper1, Paper2)
 - (a) Create the above table by properly specifying the primary key and enter at least ten tuples for the relation.
 - (b) Show the students information whose name contains 'n' at Third place.
 - (c) Show the students information who obtained second highest marks in Paper1.
 - (d) Along with number of students display the city name where maximum number of students lives.
2. Consider the following tables of a relational database.
Employee (Empno, Empname, City)
Project (Pno, Pname)
Part (Partno, Partname, Color)
Use (Pno, Partno)
Works (Empno, Pno)
 - (a) Create the above tables by properly specifying the primary keys and foreign keys and enter at least five tuples for each relation.
 - (b) Show the name of the employee who are working on more than 1 project.
 - (c) Show the part names which are used in all the projects.

3. Consider the following table for Students' information.
STUDENT (Sid, Name, City, Adm_date, MP1, MP2)
- (a) Create the above table by properly specifying the primary key and enter at least ten tuples for the relation.
 - (b) Show the students information whose name is started with 'S'.
 - (c) Show the students information who obtained highest marks in total.
 - (d) Show the students information who obtained second highest marks in MP1.
4. Consider the following tables of a relational database.
Aircraft (Aid, type)
Flights (Fno, Aid, Company)
Employees (Eid, Ename, Salary)
Certified (Eid, Aid)
Schedule (Eid, Fno, Source_city, Destination_city, Date)
- (a) Create the above tables by properly specifying the primary keys and foreign keys and enter at least five tuples for each relation.
 - (b) Show the name of the employee who has certification on more than 1 type of aircrafts.
 - (c) Show the name of the city where from maximum flight takes off (Source_city).
5. Consider the following table for Students' information.
STUDENT (Sid, Name, Adm_date, City, Mark1, Mark2)
- (a) Create the above table by properly specifying the primary key and enter at least ten tuples for the relation.
 - (b) Show the students information whose name ends with 'a'.
 - (c) Show the students information who obtained second highest marks in total.
 - (d) Along with number of students display the city name where minimum number of students lives.

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