

2022

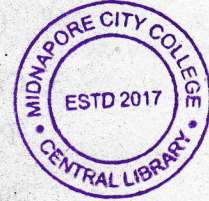
**B.Sc. 2nd Semester Examination
COMPUTER SCIENCE (Honours)**

Paper : GE 2-P

Introduction to Database System (Lab)

(Set - 2)

[Practical]



Full Marks : 20

Time : Three Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *one* question. 5×1=5

1. Create a database having two tables with the specified fields, to computerize employee management system of a Delhi University College.

Employee (Eid, Ename, Sal, Manager_id, dept_id, designation)

Department (Dept_id, Dname, Dlocation)

(a) Identify primary and foreign keys.

(b) Create the tables.

1+4

P.T.O.

2. Create a database having two tables with the specified fields as given below :

Customer (Cid, Cname, email, Ph-no, branch_id)

Branch (Bname, Bid, Blocation)

(a) Identify primary and foreign keys.

(b) Create the tables.

1+4

3. Create a database having following tables with the specified fields as shown below :

Suppliers (S_no, Sname, Status, SCity)

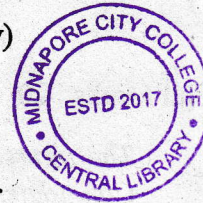
Parts (Pno, Pname, Weight)

SP (Sno, Pno, quantity)

(a) Identify primary and foreign keys.

(b) Create the tables.

1+4



Group - B

Answer any *one* question.

10×1=10

4. Consider the database schema and answer the following questions using SQL.

Employee (Eid, Ename, Sal, Manager_id, dept_id, designation)

Department (Dept_id, Dname, Dlocation)

(a) Insert at least 5 records in each table.

(b) Modify the record of Employee whose employee id = 'E005'.

- (c) Find total number of clerks.
- (d) List names of employees belongs to 'production' department.
- (e) List names of employees who earn less than his manager. 2×5

5. Database schema :

Customer (Cid, Cname, email, Ph_no, branch_id)

Branch (Bname, Bid, Blocation)

Answer the following questions using SQL :

- (a) Insert at least 5 records in each table.
- (b) List all the customers who belongs to 'Kolkata' branch.
- (c) Find total number of customers located at 'Kolkata'.
- (d) Find the names of customers whose Branch name start with 'M'.
- (e) Find names of branches having less than 100 employees. 2×5

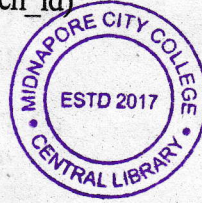
6. Database schema :

Suppliers (S_no, Sname, Status, SCity)

Parts (Pno, Pname, Weight)

SP (Sno, Pno, quantity)

P.T.O.



Answer the following questions using SQL :

- (a) Insert at least 5 records in each table.
- (b) Get suppliers names from suppliers who do not supply part 'P1' and 'P2'.
- (c) Get all the shipments where the quantity is in the range 300 to 750 inclusive.
- (d) Get full details of parts supplied by a supplier in London.
- (e) Find total numbers of parts supplied by supplier 'S1'. 2×5

Laboratory Note Book

2

Viva-voce

3

