2019

Part – II

COMPUTER SCIENCE

(General)

Paper – IIB

(Practical)

(Set – I)

Full Marks – 50

Time : 2 Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer any **one** question (On lottery basis) :

40 × 1 = 40

1. Employee (emp_id, e_name, Salary, Dept., Designation, address, joining-date)

    Manager (emp_id, mgr_id, Dept.)

    (i) Create the above tables and define the foreign key and primary key.

    (ii) Insert sufficient no. of records to answer the following records.

P.T.O.

(iii) Find the employee details who are more than 8 years in company.

(iv) Find the second highest salary among the managers.

(v) Find the employee who got salary less than the average salary of the company.

2. Account (Acc_No, Acc_type, balance, Cust_id, branch)

Customer (Customer_id, Acc_No, Cust_name, conatct_No. address)

(i) Create the above tables, also define the primary and foreign key.

(ii) Insert sufficient no. of records to answer the following queries.

(iii) Find the list of customers who have current account in 'Midnapore' branch.

(iv) List the customers who have more then one lakh balance in their savings acc.

(v) List the branch name and number of customers according to branch name in alphabetical order.

3. Student (S_id, S_name, Tota_Marks, Class)

Subject (Sub_id, Sub_name, S_id, Sub_marks)

(i) Create the above tables and define the primary and foreign key.

(ii) Insert sufficient records to answer the following query.

(iii) Find the student names who got highest marks.

(iv) List the name of the students who failed exactly two subjects (less than 40% marks).

(v) Find the number of students who got first class (60% and above).

4. Employee (e_name, job_type, manager_name, Dept_No, Designation, basic_salary)
Department (Dept_No, Dept_Name, Location)

(i) Create the above tables, define primary and foreign key.

(ii) Insert sufficient records to answer the following query.

(iii) Show the details of all employees hired on June-01-1990.

(iv) Find the name of all employees where the record letter of their name is 'a' or ends with 's'.

(v) List the names, salary, PF, HRA, DA, Gross salary of all employees (HRA is 30% of basic, DA is 25% of basic, PFis 10% of basic salary).

5. Customer (Cust_id, C_name, City, Age, Contact_No)

Travel (Tagency_id, Cust_id, Place_to_visit, No._of_days, Cost, month_of_visit)

(i) Create the above tables and define the primary and foreign key.

(ii) Insert sufficient records to answer the following queries.

(iii) List the details of the customers who will visit 'Shimla' on June 2019.

(iv) Find the places that need atleast 10 days to visit.

(v) Find the customers who visited 'Nepal' in month of January and who are not above 40.

Viva-voce : 5 Marks

Practical Note Book : 5 Marks

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