RR-3721
First Year B. C. A. (Sem. II) Examination
April / May - 2017
Practical - 206

Time : Hours]   [Total Marks : 140

Instruction :

નીચે દર્શાવેલ ☞ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☞ signs on your answer book.

Name of the Examination :

☞ FIRST YEAR B. C. A. (SEM. 2)

Name of the Subject :

☞ PRACTICAL - 206

☞ Subject Code No. : | 3 | 7 | 2 | 1 | ☞ Section No. (1, 2,......) : | NIL |

Seat No. :

Student's Signature

1   (a)   Write a C program that creates structure called   30
          item having itemid, itemname and price as data
          members. Declare array of 5 structure elements, read
          values from keyboard and print array in descending
          order on itemname.

    (b)   Create 1-D array of 10 elements using pointers and   30
          write code for reversing the array, also print sum of
          array elements.

2   (a)   Create following tables, apply appropriate constraints   20
          and insert at least 5 records in the tables;

          Emp (emp_id, name, addresss, DOJ, salary)

          Project (proj_id, Pro_name, project_duration)

          Emp_proj_Assign (emp_id, proj_id, work_hours)

          Emp_id and proj_id should be declared as primary key
          while creating table.

          project_duration must not null.

          Create appropriate relationship between tables.

(b) Write SQL statement for following : **40**

    (1) List out all projects with their employee details.

    (2) Display all employees who are not working on any project.

    (3) Display employees who have joined in current month.

    (4) Find out most experienced employee.

    (5) Display projects which are not assigned to any employee.

    (6) Add new field status in project table.

    (7) Display the employee whose work_hours are minimum.

    (8) Display all employees whose name contain "a" at end.

    (9) Count employees who worked on more than one project.

    (10) Display employees who work on project called "SRS".

3   Journal + viva   **20**

RR-3722

First Year B. C. A. (Sem. II) (CBCS) Examination

April / May - 2017

Practical - 206

Time :   Hours]   [Total Marks : 140

Instruction :

1   (a)   Write a C program that create 3×3 matrix using   20
         pointers and replace last element of each row with sum
         of that row elements.

    (b)   Create structure emp having eid, ename, sal as data   40
         members. Read few Records from keyboard and save
         them in file called emp.dat. Then read Back from the
         file and display these records in ascending order on
         ename field.

2   (a)   Create following tables apply appropriate constraints   20
         and insert at least 5 records in the tables :

         Product (pro_id, p_name, p_type, price, qty)

         Salesman (s_id, name, area, DOJ, target)

         Sales (pro_id, s_id, sale_date, qty)

         Constraints :

         pro_id and s_id should be declared as primary key while
         creating table. Create appropriate relationship between
         tables.

         Qty field must not null and default value should
         be 15.

(b) Write SQL statement for following : **40**

    (1) Display total qty sold of product "xyz".

    (2) Count total qty sale by each salesman.

    (3) Display Salesman who sold more products than given target.

    (4) Display products which are not sold in last one year.

    (5) Display Salesmen who have joined in current month.

    (6) Count total products of each type.

    (7) Display Salesman whose name contains more than 5 characters and joined in current year.

    (8) Display average sale of each salesman.

    (9) Remove the column area from salesman table.

    (10) Increase the target of employees by 50 who have more than five years of experience.

3   Journal + viva   **20**