MCSL-210 (Set-4)

POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS
(PGDCA-NEW)
DBMS and Java Lab

Duration: 2 hours   Maximum Marks: 50

Note: 1.   There are two sections in this paper.

2.   Each section is of 1-hour duration.

3.   Attempt only that section(s) in which you are not yet successful.

SECTION-1: DBMS Lab

Note: Answer the following question. It carries 20 marks and the viva-voce is of 5 marks.

1.   Create the following table with the fields given below:

STUDENT (Roll_No, Name, Class, Department, City)

STUDENT Marks (Roll_No, Sub1, Sub2, Sub3, total)

Use appropriate data types for all the fields. Select appropriate a primary keys. Insert at least 10 meaningful records in the tables.

Answer the following queries based on above table using SQL:

i)   Calculate and store total marks of all the student.

ii)   List Name and Roll_No of all the students whose total marks is > 270.

iii)   Display Name and department of the students who got more than 90 marks in Sub1.

iv)   Display Name and Roll_No of student who has scored least marks in Sub3.

SECTION-2: Java Lab

Note: Answer the following question. It carries 20 marks and the viva-voce is of 5 marks.

2.   Write a Java program to define shapes class having a method area ( ). Inherit classes Triangle and circle from shapes class. Override method area ( ) in derived classes. Define proper constructors for classes. Use appropriate access specifiers in your program.

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