MCSL-210 (Set-3)
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 tables with the fields given below:

COLLAGE (Col_ID, Col_Name, City)

STUDENT (Student_ID, Name, Coll_ID, Programme, Age)

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)   List students name and programme who have registered in college whose Col_ID = 2001.

ii)   Find average age of students who have registered in "MCA" programme.

iii) Display total number of students whose college is in "Delhi".

iv)   Display name and Student-ID of all the students whose age is more than 22 years.

SECTION-2: Java Lab

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

2.   Write Java program which read/take an string as input and display its length. Also this program should have methods to reverse the string and to check whether the input string is a palindrome or not. Use proper access specifiers for class(es) and methods.

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