MCSL-210 (Set-1)

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

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, Programme, Age, Sex) use appropriate data types for all the fields. Select appropriate primary key. Insert at least 10 meaningful records in the table.

Answer the following queries using SQL:

i) List the name and programme of students whose age is 20 years.

ii) List name and roll number of all the students who are registered in "MCA" Programme

iii) Find total number of "BCA" students.

iv) Find total number of "Female" students.

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 find the average marks of six courses (in a semester) of a student. Make provisions for exceptions handling in your program. Define proper class(es) and methods in your program. Use proper access specifiers in the program.

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