MCA (REVISED)

Term-End Practical Examination

June, 2013

02788

MCSL-025 : LABORATORY COURSE (FOR DATA AND FILE STRUCTURES, NETWORKING, DBMS LAB AND JAVA PROGRAMMING)

Time allowed : 3 hours   *Maximum Marks : 100*

Note :   *There are **four sections** in this paper.   Each section is of **45 minutes** duration.   Attempt only those sections in which you are **not** yet successful. Answer **all** the questions in each section. Each section carries **20** marks and the **viva-voce** for each section is of **5** marks separately.*

SECTION-A

Data and File Structures

1.   Write a C program to implement Binary Search Algorithm. Using this program search   **20** 9 from the following list :

1, 3, 6, 9, 12, 15, 18, 21, 24.

SECTION-B

Networking

Perform the practical on LINUX/UNIX/Windows 2000. In case you do not have sufficient rights to perform a task, then write all the steps to perform that task.

1. Run the following commands and write the uses of each command. 4

   (a) sfc   (b) hostname   (c) rcp   (d) diskperf

2. Perform the following tasks : 9

   (a) Create a file named My.TXT and copy it to another drive/ directory.

   (b) Create a user group with two users and set their password.

   (c) Show TCP/IP setting of your PC.

3. Install and configure a network printer. 7

SECTION-C

DBMS LAB

1. (a) Create the following table with proper data types for all the fields. The key field is underlined. Insert 10 meaningful records in the table.　　　　8

   STUDENT (Roll_No, Name, Program, Date_of_Birth, Semester, year_of_ Admission)

   (b) Answer the following queries using SQL on the above table :　　　　12

   (i) List name and Roll number of all the MCA program students.

   (ii) List name and program of study of all the students whose date of birth is 01/09/1994 or after that.

   (iii) List name and Roll number of all the MCA program Third Semester students.

SECTION-D

Java Programming

1. Write a Java program which create a class named Account and derive Saving - Account   **20**
    and Fixed - Account classes from it. Define appropriate constructors and methods to
    access account detail.

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