MCA (Revised)

Term-End Practical Examination   01788

June, 2011

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

Time allowed : 3 hours   Maximum Marks : 100

Note :   There are **four** sections (Data and File Structures, Networking, DBMS Lab and **Java Programming**) in this paper. Each section is for **40** 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 5 marks is for **viva-voce** of each section separately.

SECTION-A

Data and File Structures

1.   (a)   Write a C program to create a singly linked list. Insert the values   **20**
10, 8, 6, 20, 50, 12.

(b)   Write a function to print the content of the list created above.

SECTION-B

Networking

Perform the practical on LINUX/UNIX/Windows 2000. In case you do not have sufficient access 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 :   5

    (a) sfc

    (b) date

    (c) lable

    (d) netstat

    (e) ip config

2. Perform the following tasks :   10

    (a) Set the execution time of a Job so that it can run at 10:00 am tomorrow.

    (b) Share any folder available on your desktop. Also configure its share permissions for different user.

3. Configure the IP security policy on the local computer.   5

SECTION-C

DBMS Lab

1. Create the following table and perform the necessary task defined below :   5

   (a) Create the following table named :

   - Medicine
   - Name
   - Company_Name
   - Components
   - Date_of.Mnf.
   - Date_of_Exp
   - MRP
   - Strength

   (b) Enter at least 8 records in the above table and answer the following queries using SQL :   15

   (i) List all the medicines whose expiry is on 01/07/2011.

   (ii) List name of medicines whose component is "Paracetamol" and strength is 500 mg.

   (iii) Find name of all the medicine whose strength is more than 125 mg and MRP is more than Rs. 20.

SECTION-D

Java Programming

1.   Write a Java Program to care Account Class with a suitable constructor. Derive a   **10**
     Saving Account Class from the Account Class, and write a method named display to
     display the balance in Saving Account.

2.   Write an Applet which display current date and time on the web page.   **10**

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