MCA (Revised)

Term-End Practical Examination

02134

December, 2010

MCSL-025(P) : LABORATORY COURSE (FOR DATA AND FILE STRUCTURES, NETWORKING, DBMS LAB & 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 the **viva-voce** for 5 marks.*

SECTION - A
Data and File Structures

1. Write a C Program to check whether a stack is empty or not .   **10**

2. Write a C program for performing binary search on a list of 20 shorted elements .   **10**

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 the task :

1. Run the following commands and write the use of each command :   **4**

   (a) fc   (b) pathping

   (c) ftp   (d) pwd

2. Perform the following task :   **10**

   (a) Configure TCP/IP filter

   (b) Configure a window client as a VPN client.

   (c) Create a new user Account in windows

3. Find the round trip delay to a website using appropriate command   **6**

SECTION - C
DBMS : Lab

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

   (a) Create the following table named 'Teacher "

   - Name

   - ID

   - Department

   - Subject

   - Date - of - Joining

   - Basic Pay

   - Grade pay

   - Qualification

   - Year - of - Experience

   (b) Enter at least 5 relevant record in the above table and answer the following queries   5
   using SQL :

   (i) Find how many Teachers joined Computer Science Department after year
   2009

   (ii) List all the teachers whose experience is more than 5 years.

   (iii) List all the teachers whose date of joining is 01-01-2004 and department is
   chemistry.

SECTION - D
Java Programming

1.   Write a Java Program to create your own exception class.   **10**

2.   Write a Java Program to Create two thread. One thread should display your name   **10**
and second one should display your address

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