No. of Printed Pages : **4**

SET - 3

MCA (REVISED)

Term-End Practical Examination

June, 2013

00030

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 create a stack data structure with Push, Pop and Overflow functions. **20**

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 use of each command : 4

   (a) ipconfig (b) rmdir (c) net time (d) rsh

2. Perform the following tasks : 9

   (a) Write a message for all the users - "All The Best".

   (b) Find the list of devices available on your PC.

   (c) Show all the TCP/IP settings.

3. Configure the Internet Connection Firewall (ICF). 7

SECTION-C

DBMS LAB

1. (a) Create the following table and perform the necessary task defined below : 8

TEACHER (ID, Name, Designation, Years _of_Experience, Subject, Salary)

Create above table with appropriate data type for all the fields. Key attribute is underlined. Insert 10 meaningful records in this table.

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

(i) List name and designation of all the teachers whose salary is more than Rs. 50,000/pm and less than Rs. 85,000/pm.

(ii) List name and designation of all the teachers who are having more than 10 years of experience.

(iii) Find name and designation of those teachers who are having more than 10 years of experience and their salary is more than Rs. 1,00,000/pm.

SECTION-D

Java Programming

1. Write a Java program which create two threads T1 and T2. Name these threads as MyThread and YourThread. Set priority of MyThread to 7 and YourThread to 8. Also define a method to display name and priority to these threads. **20**
