No. of Printed Pages : **4**

SET - 3

MCA (Revised)

Term-End Practical Examination

00484

June, 2010

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 that 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 which check whether a stack is having any element or not. **10**

2. Write a C Program to perform binary search on 10 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 that task :

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

(a) drivers (b) ipconfig

(c) route (d) netdiag

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

(a) Show all the TCP/IC settings.

(b) List the devices available in your computer.

(c) Display the names of all the files in the home directory that are larger than 600KB.

(d) Find your Ethernet physical address.

3. Set execution time of a Job, so that it can run automatically after 30 minutes. **6**

SECTION - C
DBMS Lab

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

(a) Create the following table named "Student".

- Name
- Roll-No.
- Programme
- Semester
- Year_of_Admission
- Study_Centre
- Date_of_Birth

(b) Enter at least 5 records in the above table and answer the following queries using SQL : **15**

(i) List all the MCA students of a specific Study Centre.

(ii) List all BCA, Ist semester students who registered in year 2010.

(iii) Find all the students who are born after 31st Dec. 1980.

(iv) Find total number of students at a given study centre.

SECTION - D
Java Programming

1. Write a Java program to calculate area of circle, square and rectangle using concept of function overloading. **10**

2. Create a Java applet which draw a circle of red color. **10**