

MCA (Revised)

Term-End Practical Examination

01822

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. Each section carries 20 marks and the **viva-voce** for 5 marks.*

SECTION - A
Data and File Structure

1. Write a C Program for Sequential Search. 10
2. Write a C Program to create a stack and perform push and pop operations on it. 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) pwd
 - (b) tracert
 - (c) pathping
 - (d) chkdsk

2. Perform the following tasks : **10**
 - (a) Show all the TCP/IP settings.
 - (b) Find the round-trip delay to any website using appropriate command.
 - (c) Configure TCP/IP packet filter.

3. Configure remote and removable storage. **6**

SECTION - C
DBMS Lab

1. Create the following table and perform the necessary tasks defined below :
- (a) Create the following table named Student : 5
- Student_Name
 - Roll_No.
 - Department
 - Programme
 - Year_of_Registration
 - 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 students of age 18 years and above.
 - (ii) List all the students registered in a department in year 2009.
 - (iii) List all the students named 'Ravi' in the table.
 - (iv) Find how many students are registered in MCA Programme ?

SECTION - D
Java Programming

1. Write a program in Java to create variable size array. **10**
 2. Write a program in Java which take a string as input and print reverse of it. **10**
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