

MCA (Revised)
Term-End Practical Examination
December, 2010

02823

**MCSL-025(P) : LABORATORY COURSE (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 insert to insert/push 10 elements into a stack . 10
2. Write a C program to create two link lists of two elements each and append the first link list by adding second link list to its back. 10

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 needed to perform that task :

1. Run the following commands and write the uses of each command : 4
(a) telnet (b) Chkdsk (c) hostname (d) ipconfig

2. Set execution time of a job, so that it can run automatically after 20 minutes. 6

3. Perform the following tasks :-
 - (i) Find your Ethernet physical address using appropriate command. 3
 - (ii) Find the round trip delay to any website using appropriate command. 3
 - (iii) Show all TCP/IP settings 2
 - (iv) Configure web based Printer 2

SECTION - C
DBMS Lab

1. Create the following table and perform the necessary tasks defined below : 5
- (a) Create the following table named Bank Account :
- Name
 - Account - Number
 - Name - of Bank
 - Branch
 - Type - of - Account
 - Address
 - Minimum Balance
- (b) Enter at least 5 records in the table and answer the following queries using SQL : 15
make necessary assumptions, if any :
- (i) List name and address of all the account holder whose minimum balance is less than 1000.
 - (ii) Display all the account numbers which are in " ABC " branch of the bank.
 - (iii) Display details of all the saving bank accounts
 - (iv) Find whither there is any account of a person named " Ravi " in ABC" branch of the Bank.

SECTION - D
Java Programming

1. Write a Java program to concatenate string 1 to string 2 where string 1 and string 2 are string objects. **10**

2. Create a Java applet to display your name and address . **10**

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