

MCA (Revised)

Term-End Practical Examination

02352

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 there is any element in a queue or not. **10**
2. Write a C Program to create a binary tree. **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 uses of each command : **4**
 - (a) *ftp*
 - (b) *fc*
 - (c) *hostname*
 - (d) *telnet*

2. Perform the following tasks : **10**
 - (a) Configure web based printer.
 - (b) Configure a windows client as a VPN client.
 - (c) Create a cron job that sends you a message after every 5 minutes.

3. Backup and restore all the files in a domain. **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
 - Dep_No.
 - Emp_ID
 - Subject
 - Date_of_Joining
 - Date_of_Birth
- (b) Enter at least relevant record in the above table and answer the following queries **15**
using SQL :
- (i) Find how many teachers are there for subject Computer Science ?
 - (ii) List all the teachers who joined in the year 2010.
 - (iii) Find how many teachers are there of name, "Ravi" ?
 - (iv) Find the number of teachers who are more than 35 years old.

SECTION - D
Java Programming

1. Write a Java program which create a thread. When this thread run it display message "I am running". 10
 2. Create a Java applet which take two numbers as input and display their sum as output. 10
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