

MCA (Revised)

Term-End Practical Examination

02792

December, 2011

**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 in this paper. Each section is of **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 in each section.*

SECTION-A

Data and File Structure

1. (a) Write a C program to create a *circular queue*, with five elements in it. 15
- (b) Write a C function to print the elements of the *Circular queue* created in Q.1 (a). 5

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 : 5
 - (a) lable
 - (b) rcp
 - (c) sfc
 - (d) chkdsk
 - (e) stp
2.
 - (a) View TCP/IP settings 2
 - (b) Find your Ethernet Physical Address 3
3. Install and configure the DHCP server services. 5
4. Access your account available on another machine, from the current machine. Also download a file from that machine to your current machine. 5

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
 - Department
 - Subject
 - Date-of-Birth
 - Emp ID
 - Designation
- (b) Enter at least 8 records in the above table and answer the following queries using SQL. 15
- (i) List name and subject of all the 'professor',s in "Physics" Department.
 - (ii) List name and designation of all the teachers whose date-of-birth is 01/01/1972.
 - (iii) List name of the teachers who teach "Java" in "Computer Science" department.

SECTION-D

Java Programming

1. Write a Java program to find the sum of two Matrices $A_{4 \times 2} + B_{4 \times 2}$. 10
 2. Write an Applet which take your name and age in two different text boxes and after pressing a button, both name and age are displayed in third text box by separating name and age by a. 10
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