

**MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)**

Term-End Practical Examination

01244

June, 2017

**MCSL-025(P)/S3 : LABORATORY COURSE (FOR DATA AND FILE STRUCTURES,
NETWORKING, DBMS LAB & JAVA PROGRAMMING)**

Time : 3 Hours

Maximum Marks : 100

Note : *There are four sections in this paper. Each section is of 45 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 each section is of 5 marks separately.*

SECTION A

Data and File Structures

1. Write a program in 'C' language to create a Doubly Linked List. 20

SECTION B

Networking

Perform the practicals on LINUX/UNIX/Windows 2000. In case you do not have sufficient rights to perform a task, then write all the steps to perform that task.

2. Run the following commands and write the uses of each command : 4
- (a) chkdsk
 - (b) rcp
 - (c) ping
 - (d) rsh

3. Perform the following tasks : 9
- (a) Create a file named XYZ.txt and copy it to another drive/directory.
 - (b) Create a user group with two users and set their password.
 - (c) Show TCP/IP setting of your PC.
4. Install and Configure a network printer. 7

SECTION C

DBMS Lab

5. (a) Create the following table with appropriate data types for all the fields. Insert 10 meaningful records into the table : 10
- LIBRARY (INSTITUTE, NUMBER_OF_BOOKS, OPENING_TIME)
- (b) Answer the following query using SQL on the above table : 10
- List the names of Institutes whose Libraries are having at least 10000 books.

SECTION D

Java Programming

6. Write a program in Java to create an Applet that accepts a string as input and checks whether it is a palindrome or not. 20