

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

01003

Term-End Practical Examination

June, 2017

**MCSL-025(P)/S2 : 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 for the implementation of a Dequeue. 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) nettime
 - (b) rsh
 - (c) rmdir
 - (d) netdiag

3. Perform the following tasks : 9
- (a) Find the list of devices available on your PC.
 - (b) Find the roundtrip delay to a website mygov.in.
 - (c) Create a directory hierarchy to store files in a more arranged manner.
4. View information of a registry of Windows 2000. Show how to add a value in registry. Also, store registry content in a file. 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
- Automobile (Type, Brand, Cost)
- (b) Answer the following query using SQL on the above table : 10
- List those brands which manufacture Four-wheelers.

SECTION D

Java Programming

6. Write a program in Java to create an Applet that accepts a string as input and counts the number of vowels in it. 20
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