

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

Term-End Practical Examination

June, 2017

03173

**MCSL-025(P)/S1 : 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 'C' program to implement Linear search algorithm. Find whether the value 30 is available in the following list, using the program : 20

61, 75, 83, 100, 30, 45, 86, 93, 29, 99

SECTION B

Networking

Perform the practicals in 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) ipconfig
- (b) chkdsk
- (c) ping
- (d) grep

3. Perform the following tasks : 9
- (a) Write a message to a specific user — “Best of Luck”.
 - (b) Connect to another machine using TELNET.
 - (c) Show all the TCP/IP settings.
4. Configure the Internet Connection Firewall (ICF). 7

SECTION C

DBMS Lab

5. (a) Create the following table with appropriate data types for all the fields. The key field is underlined. Insert 10 meaningful records into the table. 10
- Railway_Station (City, Name_of_Station, Platforms)
- (b) Answer the following query using SQL on the above table : 10
- List the names of stations which are having more than 10 platforms.

SECTION D

Java Programming

6. Write a program using Java to create an Applet that takes the radius of a circle as input and prints its area. 20