

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

03896

Term-End Practical Examination
June, 2016

**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 program in 'C' language to implement a Queue. 20

SECTION B

Networking

2. Write a shell script in Linux / Unix that accepts a text file as input and reverses all lower case alphabets to upper case and vice-versa and prints the text file to the standard output. 20

SECTION C

DBMS Lab

3. (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. Make necessary assumptions. 10

BOOK (ISBN, Title, Author, Price)

- (b) Create the following query using SQL on the above table : 10

Find the name of the author and the price of the book with ISBN = 38674293.

SECTION D

Java Programming

4. Write a program using Java to create an applet that takes the area of a square as input and draws the square in green colour. 20