

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

Term-End Practical Examination

June, 2018

01275

**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 implement Binary Search.

20

SECTION B

Networking

2. Write a shell script in Linux/Unix that accepts a text file as input and prints its content in reverse order to standard output. That is, first line will become last line and so on.

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
- COUNTRY (Name, Capital, Population)
- (b) Create the following query using SQL on the above table :
List the capital cities of all countries whose population is more than 5,00,00,000. 10

SECTION D

Java Programming

4. Write a program using Java to create an Applet that accepts two matrices as input and adds them. The resultant matrix has to be printed to standard output. 20
-