MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

00515

Term-End Practical Examination
June, 2018

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 to implement Bubble sort.   *20*

SECTION B

Networking

2. Write a shell script in Linux/Unix that accepts a text file as input and prints only those sentences which are having at least 6 words in them.   *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*

TRAIN (Name, <u>Number</u>, Starting_Station)

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

List the Names and Numbers of all the trains that are starting from Chennai.

SECTION D

Java Programming

4. Write a program using Java to create an Applet that takes the sides of a rectangle and draws the rectangle in red color.   *20*