

MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

00973

Term-End Practical Examination

June, 2015

**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 the number of words in the file that have a vowel in them. 20

SECTION C

DBMS Lab

3. (a) Create the following table with proper datatype for all the fields. The key field is underlined. Insert 10 meaningful records in the table. 10
- LAPTOP (Brand, Model_no, Screen_size)
- (b) Answer the following query using SQL on the above table : 10
- List all the model numbers of all laptops whose screen size is larger than 17 inches.

SECTION D

Java Programming

4. Write a program in Java to create an Applet that accepts 5 strings as input and prints the string with largest length. 20