

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

01204

Term-End Practical Examination

December, 2014

**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 a Doubly Linked List. 20

SECTION B

Networking

2. Write a shell script in LINUX / UNIX that accepts a text file as input and prints the last word as first word and so on to the standard output. 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

MOBILE (Brand, Model_Number, Cost, Color)

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

List the model numbers and corresponding prices of all mobile devices which are manufactured by "APPLE". 10

SECTION D

Java Programming

4. Write a program in Java to create an Applet that accepts diameter of a circle as input and draws the circle in red colour. 20