MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

口1256

Term-End Practical Examination

December, 2015

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 Circular 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 set of words in the text file to 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. *10*

COMPUTER (Brand, RAM, Screen_Size, OS)

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

List the brands which have computers with Windows 7 as OS (Operating System).

SECTION D

Java Programming

4. Write a program in Java to create an Applet that accepts a string as input and prints whether it is a palindrome or not. *20*

———