MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

02944

Term-End Practical Examination

December, 2014

MCSL-025(P)/S1 : 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 "Queue".   *20*

SECTION B

Networking

2.   Write a shell script in LINUX / UNIX that accepts a text file as input and prints the last line as first line 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*

UNIVERSITY (<u>Name</u>, Place, No_of_Students, No_of_Courses)

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

List all the names of Universities where the number of students are more than 5,000. *10*

SECTION D

Java Programming

4. Write a program using JAVA to create an Applet that takes area of a Rectangle as input and draws the Rectangle in Green Colour. *20*

————————