MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

Term-End Practical Examination

June, 2015

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 "Stack".   *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 whose length is exactly 5 characters.   *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*

        COUNTRY (<u>Name</u>, Capital, No_of_States)

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

List all the names of countries whose number of states are more than 10.   *10*

SECTION D

Java Programming

4.   Write a program using JAVA to create an Applet that takes radius of a circle as input and draws the circle in Blue colour.   *20*

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