MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)
Term-End Practical Examination
December, 2014

01444

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 "Quicksort".   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 do not 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.

   TRAIN (Name, <u>Number</u>, First_Station, Last_Station)   *10*

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

   List all the trains whose first station is Chennai and the last station is New Delhi.   *10*

SECTION D

Java Programming

4. Write a program in Java to create an Applet that accepts 5 integers as input and prints the largest among them.   *20*

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