

MCA (REVISED)
Term-End Practical Examination
December, 2013

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**MCSL-025 : LABORATORY COURSE (FOR DATA AND FILE
STRUCTURES, NETWORKING, DBMS LAB AND JAVA
PROGRAMMING)**

Time allowed : 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 C program to implement Binary Search Algorithm. Using this program search the value 10 from the following list : **20**
- 1, 2, 4, 6, 8, 11, 13, 15

SECTION-B

Networking

Perform the practical on LINUX/UNIX/Windows 2000. In case you do not have sufficient rights to perform a task, then write all the steps to perform that task.

1. Run the following commands and write the uses of each command : **4**
- (a) hostname (b) ping
- (c) Chkdsk (d) sfc

2. Perform the following tasks: 9
 - (a) Create a file My. doc and save it on desk top.
 - (b) Remove a user from a group
 - (c) Show TCP/IP setting of your PC

3. Install and configure web Server. 7

SECTION-C

DBMS Lab

1. (a) Create the following table with proper data types for all the fields. 8
The key field is underlined. Insert 10 meaningful records in the table :
ORDER (Order-Number, Item-code, Order-date, Quantity, Customer-Address, cost)

- (b) (i) List Item -code and Quantity for all the orders received on 02/02/2013; using SQL query on ORDER table. 4

- (ii) Write a procedure/trigger to generate Order-Number automatically in ORDER table. 8

SECTION-D

Java Programming

1. Create an Applet. to take radius of a circle as input and draw the circle. 20
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