

**MCA (Revised)**

**Term-End Practical Examination**

03472

**December, 2011**

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

*Time allowed : 3 hours*

*Maximum Marks : 100*

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**Note :** *There are **four** sections in this paper. Each section is of **40** 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 5 marks in each section .*

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**SECTION-A**

**Data and File Structures**

1. Write a C program for Binary search algorithm to search value 29 from the list given below :

1    9    15    28    36    49    58

20

## SECTION-B

### Networking

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

1. Run the following commands and write the uses of each command : 5
  - (a) lpq
  - (b) netdiag
  - (c) fc
  - (d) drivers
  - (e) diskperf.
2. Create a hierarchical directory tree. 4
3. Enable and configure IPSec. Policy on local computer. 6
4. Add two users in a group and set their password and define permissions. 5

## SECTION-C

### DBMS LAB

1. Create the following table and perform the necessary task defined below : 5

(a) Create the following table named :

Account

- AC - Number
- Name
- Type
- Bank
- Balance
- Min - Balance

(b) Enter at least 8 records in the above table and answer the following queries using SQL :

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- (i) List name and account number of all the "Saving" account holder in "State Bank".
- (ii) Find the Balance of Account Number 11001100123
- (iii) List the name of account holder and account number which are having Balance less than 500.

## SECTION-D

### Java Programming

1. Write a multithreaded Java program, which create two thread  $T_1$  and  $T_2$  with priority 6 and 7 respectively.  $T_1$  should be used for printing 1, .....10 and  $T_2$  should be used for printing 11,.....20. 20
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