

MCA (Revised)

Term-End Practical Examination

01222

December, 2011

**MCSL-025:LABORATORY COURSE (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 **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 each section is of 5 marks.*

SECTION-A

Data and File Structures

1. Write a 'C' program to create a linked list, insert 10 integer element in it. Also find average of these 10 elements. 20

SECTION-B

Networking

Perform the practical on LINUX/UNIX/WINDOWS 2000. In case you do not have sufficient access 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 : 5
 - (a) net time
 - (b) date
 - (c) ip config
 - (d) fc
 - (e) ping
2. Send a message to all the users who are online. Make provision such that you can send message to other users and also can receive message from other users. 4
3. Install and configure terminal services. 6
4. Find out which lines of My message txt are satisfied by the regular expression : 5

$(\wedge (0-9) \{1,4\} [a-z A-Z] +\$) \mid \text{None}$

SECTION-C

DBMS LAB

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

(a) Create the following table named _

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Inventory - Items :

- Item - No
- Item - Name
- Price
- Date
- Expiry - Date

(b) Enter at least 10 records in the above table and answer the following queries using SQL :

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- (i) Find price of Item - name "ABC Tea".
- (ii) List the name of items which are entered on 1/1/2011 in the inventory and whose expiry is on 31/12/2011.
- (iii) Find all the items whose expiry is on 1/6/2011 and price is more than 100.

SECTION-D
Java Programming

1. Write a Java program which take name and address of 10 peoples and store them in a file. 20
