

MCA (Revised)

Term-End Practical Examination

04262

June, 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 (Data and File Structures, Networking, DBMS Lab and Java Programming) in this paper. Each section is for 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 of each section is of 5 marks.*

SECTION-A

Data and File Structures

1. (a) Write a C program to sort the list given below using *Bubble sort* algorithm. 15
89 8 12 7 3 35 6
- (b) Write a C Program which search for value 9 in the list : 5
8, 12, 5, 9, 6, 30

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) host name
 - (b) telnet
 - (c) Disk part
 - (d) net time
 - (e) rcp

2. Perform the following task : 12
 - (a) Monitor the log time of users.
 - (b) Install and configure a local printer.
 - (c) Scan a pen drive.

3. Use ping to find the round trip delay to [http : //www.indiatimes.com](http://www.indiatimes.com). 3

SECTION-C
DBMS Lab

1. Create the following table and perform the necessary task defined below : 5
- (a) Create the following table named 'Product' :
- Product_Name
 - Product_ID
 - Price
 - Date_of_Manuf
 - Company
 - Weight
- (b) Enter at least 8 records in the above table and answer the following queries using SQL : 15
- (i) List all the products of weight 2 kg and whose price is Rs. 100 or less ?
 - (ii) Find the price of "GHEE" produced by company "ABCD" of weight 1 kg.
 - (iii) Find the name of company and price of the product ID=100.

SECTION-D
Java Programming

1. Write a Java Program which create a string object S1 and initialize it with "My Java My Programming". Also reverse the content of S1. **10**

 2. Write a Java Program which create a file named Mytext.txt and store string "A day for Java learning" in it. You need to do proper exception handling in this program. **10**
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