MCA (Revised)

04702

Term-End Practical Examination

December, 2011

MCSL-045 : UNIX AND DBMS LAB

Time allowed : 2 hours   *Maximum Marks : 50*

Note :   *There are **two** sections in this paper. Each section is of **1** hour duration and carry **20** marks. 5 marks is for **viva - voce** of each section separately. Attempt only that section(s) which is not yet clear.*

SECTION - A : UNIX

1. Write UNIX commands and execute them for performing the following :

   (a) To identify the users logged on the system and then sending message from your terminal to any user logged in   **5**

   (b) To compare any two files and show the differences .

   (c) To delete all the files in the current directory whose name ends in ".bak".

   (d) To show the current working directory.

   (e) To remove a directory.

2. Write a shell script to take a six digit number as input and print the reverse of the number :   **8**

   Input :   1 2 3 4 5 6
   Output :   6 5 4 3 2 1

3. Write a shell script that prints the message "Good Morning", "Good After Noon," or "Good Evening", according to the system's time.   **7**

SECTION - B : DBMS

Note : Answer the following questions :

1. Create a relational data base with the following relations and insert **ten** meaningful   6
   data /records in each table of the relation :

   Company (C_id, C_name, P_id, C_Address)

   Product (P_id, P_name, P_size, P_price)

   Sale (P_id, Area_code, P_target, P_sold)

2. Using the schema given above in Q. 1, write a trigger that is fired before any row is   3
   inserted in the table product.

3. Using the relations given in Q1. Write a procedure to display the name of company   4
   whose product id =1000 and date of product manufacturing is 01/01/2011.

4. Perform the following queries using the relations created in Q-1, through SQL
   statements :

   (i)   List name and address of the companies whose products are sold in area   4
         code = 1000.

   (ii) Find the company name and the price of the product id = 235.   3