MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

00854

Term-End Practical Examination
December, 2014

MCSL-045(P)/S2 : UNIX AND DBMS LAB

Time : 2 Hours   *Maximum Marks : 50*

Note :   *(i)*   *There are two sections in this paper.*

         (ii)   *Each section is of one hour duration and carries 20 marks.*

         (iii)   *5 marks are for viva-voce of each section separately.*

         (iv)   *Attempt only that section(s) which is not yet clear.*

SECTION A
UNIX

1.   Write and execute the UNIX commands for the following :   *5×1=5*

    (a)   To sort the files in alphabetic order.

    (b)   Display the long listing of files in the current directory.

    (c)   Change the time and date.

    (d)   Display the calendar for the current month.

    (e)   To display the first mismatch after comparing 2 files.

2.   Write a shell program to count the number of times a particular pattern occurs in any given text file.   *15*

3.   Create the following DB :   *10*

     CUSTOMER (Cust#, CName, City)

     ORDER (Order#, Odate, Cust#, Ord_Amt)

     ORDER_ITEM (Order#, Item#, Qty)

     ITEM (Item#, Unit_Price)

     SHIPMENT (Order#, Warehouse#, Ship_Date)

     WAREHOUSE (Warehouse#, City)

     Select appropriate datatype for each of the fields. Identify appropriate "keys."
     Input meaningful data for at least 5 records for each.

4.   For the above DB given in Q3, answer the following queries using SQL :   *5×2=10*

     (a)   List the Order# and Ship_Date for all the orders shipped from
           Warehouse# = "W2".

     (b)   Print the corresponding Warehouse# situated in Delhi city.

     (c)   List the orders that were shipped yesterday.

     (d)   Display the Unit_Price of "Item# = 121".

     (e)   Display the Order#, Ord_Amt to be paid by the "Cust# = 12345".

———