MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

03817

Term-End Practical Examination
December, 2014

MCSL-045(P)/S1 : 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 remove a subdirectory.

   (b) To change the permission of a file to deny write permission to the owner.

   (c) To print the last 5 lines of any text file.

   (d) To display the present working directory.

   (e) Go to the root directory directly from the working directory.

2. Write a shell program to take 'N' numbers as input and direct the even numbers to even.txt file and odd numbers to odd.txt file.   *15*

SECTION B

DBMS

3. Create the following DB :   *10*

   SALESPERSON (<u>SSN</u>, Name, Start_Year, Dept_No)

   TRIP (SSN, From_City, To_City, Departure_Date, Return_Date, <u>Trip_ID</u>)

   EXPENSE (<u>Trip_ID</u>, <u>Account#</u>, Amount)

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

4. Write the following queries using SQL for the DB given in Q3 :   *5×2=10*

   (a) Give the details (all attributes of TRIP relation) for trips that exceeded ₹ 20,000.

   (b) Print the SSN of salesmen who took trips from MUMBAI to DELHI.

   (c) Print the total trip expenses incurred by any particular salesman.

   (d) Print the Dept_No of "SSN = 12345".

   (e) Print the expenses of "Trip_ID = 123".

———