MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)
Term-End Practical Examination
December, 2015

MCSL-045(P)/S3 : UNIX AND DBMS LAB

Time : 2 Hours   *Maximum Marks : 50*

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

   (ii)   All the questions are **compulsory**.

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

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

   (v)   Attempt only that section(s) in which you are **not successful as yet**.

SECTION A
UNIX

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

   (a)   To display the status of all the processes.

   (b)   To kill a process with its Process_ID.

   (c)   To compare 2 files and show the differences.

   (d)   To remove all the files in a sub-directory of your choice.

   (e)   To display the long listing of files and folders.

2.   Write a shell program to search for the filenames starting with "c" or "C" in the current working directory and copy them in a newly created folder called as "new".   *15*

SECTION B

DBMS

3. Create a table "ROUTE" with the following fields :

   (ROUTE_ID, ROUTE_NO, CATEGORY_CODE, ORIGIN, DESTINATION, FARE, DISTANCE, SEATING_CAPACITY, TRIPS)

   Select the appropriate data types for the fields. Select a primary key. Input meaningful data for at least 10 records.   *10*

4. For the above table given in Q 3, write the following queries using SQL :   *5×2=10*

   (a)   To display all the records, sorted in descending order w.r.t the distance.

   (b)   To display all the Route_ID's.

   (c)   To display the fare for the Route_No = 3 for Deluxe category service bus.

   (d)   Display the Seating_Capactiy for the Route_ID = "234".

   (e)   Display all types of categories the Road transport system has.

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