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

MCSL-045(P)/S1 : UNIX AND DBMS LAB

Time : 2 Hours *Maximum Marks : 50*

Note :   (i)   *There are two sections in this paper. All the questions are* **compulsory.**

(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 following UNIX commands :   *5×1=5*

(a)   To remove a file from a sub-directory.

(b)   To change the permissions of a file to "read" only for all categories of users.

(c)   To send the print of any file to a line printer, attached.

(d)   To kill a process using process-ID.

(e)   To go to the /bin directory and display the files.

2.   Write a shell program to perform addition, subtraction, multiplication and division operations for the 2 given numbers as input and display their sum, difference, product and quotient in 4 separate files.   *15*

SECTION B

DBMS

3. Create the following table COMPLAINTS with the fields :

[C_ID (should be auto-generated), COMPONENT_NAME, CATEGORY (H/W OR S/W), TYPE_OF_COMPLAINT (REPLACE/REPAIR), COMPLAINT_DATE, SUPERVISOR_NAME, ALLOCATED_TO]

Select appropriate datatypes for each of the fields and identify a PRIMARY KEY. Insert 10 records with meaningful data.   *10*

4. For the above table in Q3, answer the following queries using SQL :   *5*

    (a) To display all the details of the complaints received/registered on (any) particular date.

    (b) To display the Supervisor's name and allocated Engineer's name for the C_ID = 004.

5. Write a trigger that will be fired before any row is inserted or deleted in the existing database.   *5*

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