

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

02745

Term-End Practical Examination

June, 2018

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

Time : 2 Hours

Maximum Marks : 50

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- 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**.*
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SECTION A

UNIX

1. Write and execute the UNIX commands for the following : 5×1=5
- (a) To print the last ten lines of a file.
 - (b) To login as a super user.
 - (c) To rename a file in a current directory and move that file to another sub-directory.
 - (d) To print all the usernames who are currently logged on to the system.
 - (e) To remove a directory of your choice.
2. Write a shell program to use a "case" statement to select any one of the three commands (who, list, col, etc.) input by the user as a choice. 15

SECTION B

DBMS

Note : Answer the following questions. They carry 20 marks and the viva-voce is for 5 marks.

3. For the schema given below, perform the tasks (a) and (b) 5

INSTRUCTOR (I_NO, I_NAME, I_SALARY, DOB, SUPERVISOR,
DESIGNATION, JOINING_DATE)

SESSION (S_NO, I_NO, S_ROOM)

EARNING (E_MIN, E_MAX, E_GRADE, I_NO)

- (a) List all the Instructors details who have sessions in S_ROOM = 2A.
- (b) Display Name, Salaries and Earning Grades of all the Instructors.
4. Using the schema given above, write a procedure to display the names of all those instructors whose supervisor is "RAHUL". 10
5. Using the schema given above, write a trigger that is fired before any row is inserted in the SESSION TABLE. 5