

**MCA (Revised)**  
**Term-End Practical Examination**  
**June, 2007**

**MCSL-045 : UNIX AND DBMS LAB**

Time allowed : 2 hours

Maximum Marks : 50

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**Note :** There are two parts (UNIX and DBMS) in this paper. Each part is for 1 hour duration.  
Attempt only that part(s) in which you are not successful as yet.

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**PART I**  
**UNIX**

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

1. Write and execute the UNIX commands for the following : 5
  - (a) To run a program at lower priority.
  - (b) To list all the information about the files and the directories in current directory.
  - (c) To change the current password of the user to a new password.
  - (d) To list the details of the largest file in the directory.
  - (e) To count the number of words in a text file.
  
2. Write a shell script to count the number of vowels in a string, entered by user. 5
  
3. Write a shell program to create a directory "DISC" in the current directory, then transfer all the files having filename starting with "d" from the current directory to the directory "DISC". 10

**PART II**  
**DBMS**

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

1. Say, the schema of the relation Teacher is TEACHER (T\_id, T\_name, T\_Qual, T\_salary). Create a program that updates a record into the Teacher table. Trap and handle the exception if the teacher id (i.e. T\_id) is not available in the Teacher table. 10
2. For the schema of the relation Teacher given in Q1, create a host language block to declare a cursor for displaying T\_id and T\_name of all teachers having Qualification (i.e. T\_Qual) as 'M-TECH'. 10