

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

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

Time allowed : 2 hours

Maximum Marks : 50

**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.

**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 : 1×5=5
  - (a) Create a file named "Phone" containing information about the names of persons and their phone numbers. Now write a command to display a list having details of phone numbers of all persons in the file "Phone" with surname "Singh".
  - (b) To combine two existing files named "Hello" and "Hi" into a new file named "welcome".
  - (c) To sort the contents of a file named "numbers" in reverse order.
  - (d) To compare any two files and show the differences.
  - (e) To change current password of the user to a new password.
2. Write a shell script to find factorial of a number. 8
3. Write a shell script to print the following pattern : 7

```

1
2 2
3 3 3
4 4 4 4
5 5 5 5 5

```

**PART II**  
**DBMS**

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

Questions asked in this part are based on following relations :

Engineer (E\_id, E\_name, E\_salary, E\_DOB, E\_date\_of\_joining)

Department (D\_no, E\_id, Room)

Scale (Min\_Sal, Max\_Sal, Grade)

1. Write a trigger that verifies the joining date when a new row is inserted in the table for relation Engineer. Joining date should be greater than or equal to current date. 10
  
2. Write a host language block to delete all the rows from Engineer table where the salary is less than Rs. 5000/-. 10