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)   To display contents of a file named "Hello" and number the lines contained in this file.

   (b)   To identify the users logged on to the system and then sending message from your terminal to any user logged in.

   (c)   To report repeated lines in the file named "Hello".

   (d)   To change the access mode of the file named "Hello" such that only read permission is granted to any body accessing the file, except the owner.

   (e)   To make a poster of "WELCOME".

2. Write a shell script to find out the biggest number from the given three numbers. Numbers are supplied as command line arguments. Print error if sufficient arguments are not supplied.   *10*

3. Write a shell script to display current date, time, username and current directory.   *5*

PART II
DBMS

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

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

   Instructor (I_no, I_name, I_Salary, I_DOB, I_Supervisor, I_Desig, I_joiningdate)

   Session (S_no, I_no, S_room)

   Earning (E_min, E_max, E_grade)

   (a) Display the list of all instructors who are earning equal to any instructors who have joined before '31-Dec-98'.

   (b) Display Name, Salaries and Earning grade of all instructors.   5

2. Using the schema given above, write a procedure to display the names of all those instructors whose supervisor is 'Mohan'.   10

3. Using the schema given above, write a trigger that is fired before any row is inserted in the Instructor table.   5