

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 first three lines of a file named "Peace".
 - (b) To count number of words contained in a file.
 - (c) To display information about various processes running currently.
 - (d) To kill more than one process at a time.
 - (e) To run a program at lower priority.

2. Write a shell script to print sum of digits of a given number i.e. if number is 123 then your script should print 1+2+3=6. 10

3. Write a shell script to print Fibonacci series. 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 the following relations :

Sales_person (S_id, S_name, S_age, S_experience, S_designation, S_product, S_supervisor)

Sales_record (S_id, S_target, S_sold, S_status)

Sales_earning (S_id, S_basic, S_perks, S_grade, S_salary)

1. Create a view that stores details of all salespersons who are designated as sales executives and earning more than Rs 12,000. 5
2. Write a procedure to search the name of a salesperson in the relation sales_person. 10
3. Perform the following queries : 5
 - (i) Display the list of all salespersons whose designation and salary is same as that of the salesperson named "Tushar".
 - (ii) Display names of all salespersons whose sales target is 100 units of any product.