

MCSL-045 (Set-3)

MASTER OF COMPUTER APPLICATIONS (REVISED) MCA

UNIX and DBMS Lab

Duration: 2 hours

Maximum Marks: 50

- Note:
1. There are 2 Sections in this paper. All questions are compulsory.
 2. Each Section is of one-hour duration and carries 20 marks
 3. 5 marks are for viva-voce for each section separately.
 4. Attempt only those section(s) in which you are not successful as yet.

Section-A: (UNIX)

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

1. Write and execute the following UNIX commands: 5×1=5
 - a) To split a file containing 10 lines into two files of 5 lines each.
 - b) To display the current time and date.
 - c) To convert all the lower case letters to upper case in a text file.
 - d) To display the contents of a file on the monitor (25 rows each)
 - e) To compare 2 different files and report if they are different.
2. Write a shell script to display the no. of characters in each file given as input (as the command line argument). 15

Section-B: (DBMS)

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

3. For the following schema perform the tasks (a), (b) and (d):

ORDER (Ord_No, Book_ID, Distributor_ID, Book_Name, City, ISBN_No, Price, Author, Publisher, Year)

- a) Create a table for the above schema select appropriate data-types for each of the fields. Identify primary key and input 10 meaningful records. 5
 - b) Display Book_Name and Book_ID for all the books which cost above Rs. 500/- for the Ord_No = "123". 2½
 - c) Sort all the records as per the Qty ordered for Ord_No = "123". 2½
4. Write a trigger that fires whenever an insertion or update occurs in the above table. 5
5. Write a procedure that takes the ISBN_No and returns the Qty of books ordered. 5
