

MCSL-045 (Set-1)

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 copy any file from one directory to other sub-directory.
 - b) Open any screen editor and write a simple paragraph and save it as “abc”.
 - c) To send any file “fli” to line printer for printing.
 - d) To set the permissions of a file to r, w, x for all.
 - e) To find file(s) that match specified criteria.
2. Write a shell script that display the lines that differ between two given files at command prompt. 15

Section-B : (DBMS)

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

3. For the schema given below, perform the tasks (a), (b) and (c):

Book (ISBN, Title, Author, Publisher, Prices, Year-of-Publication)

Author (Author-ID, Author-Name, ISBN, Address, Mobile, City, State)

a) Create tables for above schema. Select appropriate data-types for each of the fields. Identify appropriate keys and input 10 meaningful records.

5

b) List all the books published by publisher = "LAXMI PUBLISHERS".

2½

c) List the ISBN Numbers written by Author-ID = "12345".

2½

4. Write a procedure which takes input Author-Name and displays all the ISBN-Numbers and Titles done by him. 5

5. Write a trigger which fires before inserting and deleting a record in the "Book" table. 5
