

MCSL-045 (Set-2)

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) Create a directory and 2 sub-directories in it. Create 2 files in each of the 2 sub-directories.
 - b) Rename a specified file “abc” to “xyz” in a sub-directory.
 - c) To run a program at specified intervals.
 - d) To print the last two lines of a file.
 - e) To remove a directory of your choice.
2. Write a shell program to use a “case” statement to select any one of the five commands (who, ls, cal, history, man) input by the user as a choice (1, 2, 3, 4 or 5). 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):

Instructor(Ins_No, Ins_Name, Salary, DOB, Supervisor, Joing_Date, Mob., E-mail)

Session(S_No., Ins-No., Sess_Room)

Earning(E_Min, E_Max, E_Grade, Ins_No.)

- a) Create tables for the above schema. Select appropriate data-types for each of the fields. Identify appropriate keys and input 10 meaningful records. 5
- b) List all the details of Instructor who have session in Sess_Room = "3A". for S_No = "7". 2½
- c) Display Names, Salaries and Earning Grades of all the Instructors under the supervisor = "RAHUL". 2½
4. Using the schema given above. Write a procedure to display Ins_No, Ins_Name whose E_max \geq Rs. 10,000/-. 5
5. Write a trigger which fires before inserting and deleting a record in the "INSTRUCTOR" table. 5
