MCSL-045 (Set-4)

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 run a program/process at a later time (less priority).

    b) To print the status of all the processes.

    c) To re-run earlier command from History-list.

    d) To open a screen editor and create a file, save it as "xyz".

    e) To set any file permission to read-only for everyone.

2. Write a shell program to count the no of lines, characters and other symbols in a given file and display the count(s).   15

<center>Section-B: (DBMS)</center>

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

3. Create a COMPLAINTS table with the following fields:

    (Compl_ID,   Compl_Descr,   Type_of_Compl,   Compl_date, Supervisor_Name, Allocated_to)

    Select appropriate data-types for all the fields. Select appropriate key. Insert 10 meaningful records.   5

4. For the above created table, write the queries using SQL:

    a)   To display all the Compl_ID's received on 31-01-2023.   2½

    b)   To display all the Compl_ID's allocated to Mr. Rahul.   2½

5. Write a trigger that will fire before any record is inserted or deleted in the table.   5

6. Write a procedure to take the Compl_ID as input and display the "Supervisor-Name" and "Allocated to" details.   5

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