

No. of Printed Pages : 3 **MCSL-045(Set-II)**

**MASTER OF COMPUTER
APPLICATIONS (MCA) (REVISED)**

Term-End Practical Examination

December, 2024

MCSL-045(Set-II) : UNIX AND DBMS LAB

Time : 2 Hours

Maximum Marks : 50

Note : (i) *There are two Sections in this paper. All questions are compulsory.*

(ii) *Each Section carries 20 marks and is of duration 1 hour only.*

(iii) *5 marks are for viva-voice of each Section, separately.*

(iv) *Attempt only those Section(s) in which you are not successful as yet.*

Section—A

UNIX

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

1. Write and execute the following UNIX commands : 1×5=5

(a) To run a program at a later time

- (b) To kill a background process
 - (c) To run a job in background
 - (d) To restart suspended jobs in foreground
 - (e) To summarize free space on disk device
2. Write a shell script that searches for a pattern (given by user) in the given text file and displays the count of number of times it occurred in that text file. 15

Section—B
(DBMS)

Note : 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) :

Supplier (S#, Sname, Status, City)

Parts (P#, Pname, Labour, Weight, City)

SP (S#, P#, Quantity)

- (a) Create tables, select appropriate data types for each of the fields. Identify appropriate keys. Input meaningful data for at least 10 records. 5

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- (b) Display the weight of the part whose
P# = '123'. $2\frac{1}{2}$
- (c) Display S#, Sname and Status who
supplies from 'Mumbai'. $2\frac{1}{2}$
4. Write a procedure which takes the city as input
and displays the details of suppliers and parts
from that city. 5
5. Write a trigger that fires before inserting and
deleting a record in supplier table. 5

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