

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

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

Term-End Practical Examination

December, 2024

MCSL-045(Set-III) : 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 compare two binary files and report if different

- (b) To rename any sub-directory
 - (c) To run a program at specified intervals
 - (d) To show disk space used by files and directories
 - (e) Use any screen editor to create a file “abc” and write “hello”
2. Write a shell program to encrypt any text file.

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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) :

Book (ISBN, Title, Publisher, Author, Price,
Year_of_pub)

Author (Author_ID, Author, ISBN, Address,
City, State)

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

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- (b) List all the books published by publisher
“ABC”. $2\frac{1}{2}$
- (c) List the author for the book with
ISBN = “11223344”. $2\frac{1}{2}$
4. Write a trigger which fires before inserting and
deleting a record in ‘Book’ table. 5
5. Write a procedure which takes author name as
input and displays all the publications done by
him with “ABC publisher”. 5

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