

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

00493

**Term-End Practical Examination**

**December, 2016**

**MCSL-045(P)/S2 : UNIX AND DBMS LAB**

*Time : 2 Hours*

*Maximum Marks : 50*

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- Note :**
- (i) *There are two sections in this paper.*
  - (ii) *All the questions are **compulsory**.*
  - (iii) *Each section is of **one hour** duration and carries 20 marks.*
  - (iv) *5 marks are for viva-voce of each section separately.*
  - (v) *Attempt only that section(s) in which you are **not successful as yet**.*
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**SECTION A**

**UNIX**

1. Write and execute the following commands in UNIX : 5×1=5
- (a) To create another link to the existing file.
  - (b) To find files on the drive that match specified criteria.
  - (c) To show online documentation for a UNIX command.
  - (d) To create a new directory.
  - (e) To show disk space used by files or directories.
2. Write a shell program using “grep” command to do the following activities : 15
- (a) To select the lines from a file that have exactly three characters.
  - (b) To select the lines from a file that end with a period (.).
  - (c) To select all the lines that start with a lower case letter.

## SECTION B

### DBMS

3. Create a CATALOG table with the following fields :

Book\_ISBN, Title, Author\_ID, Publisher\_ID, Category\_ID, Year and Price.  
Select appropriate data types for all the fields. Select a primary key. Insert 10 meaningful records.

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Also write the queries using SQL for the following :

$$2 \times 2 \frac{1}{2} = 5$$

- (a) Create a view with the fields Book\_ISBN, Title and that too only for the books published in the year 2014.
- (b) To find the Title, Author\_ID for the books whose price is more than ₹ 500.
4. Write a trigger that is fired before any modification in the price column for the existing books in the table.
5. Write a function/procedure that takes the Book\_ISBN and returns back the other details like Author\_ID and Publisher\_ID.

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