

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

**Term-End Practical Examination**

**December, 2017**

00053

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

*Time : 2 Hours*

*Maximum Marks : 50*

- 
- 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**.*
- 

**SECTION A**

**UNIX**

1. Write and execute the following commands in UNIX : 5×1=5
  - (a) To rename a file.
  - (b) To create a file using “vi” editor.
  - (c) To display the inode number of any file.
  - (d) To create a subdirectory “xyz” in the current directory.
  - (e) To display the long listing of all the files in the current directory.
  
2. Write a shell program to generate Fibonacci series up to “N” terms. 15

## SECTION B

### DBMS

3. Create a database with the following schema :

BOOK\_CLUB :

CATALOG (ID, TITLE, AUTHOR\_ID, PUBLISHER\_ID, YEAR\_OF\_PUB, PRICE)

AUTHOR (AUTHOR\_ID, NAME, CITY, COUNTRY)

PUBLISHER (PUBLISHER\_ID, NAME, CITY, COUNTRY)

CATEGORY (CAT\_ID, DESCRIPTION)

Select appropriate data types for all the fields. Identify appropriate keys. Also input 10 meaningful records. 10

4. For the above tables in Q(3), answer the following queries using SQL : 5×2=10

- (a) To print all the category details.
  - (b) To display the country and city of AUTHOR\_ID = 123.
  - (c) To display the name of the PUBLISHER whose ID = 444.
  - (d) To display all the books whose price is < ₹ 500.
  - (c) To display all the AUTHOR\_ID's who belong to "CHENNAI".
-