

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

02159

Term-End Practical Examination

December, 2015

MCSL-045(P)/S1 : 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) Create a sub-directory with 3 files — file1, file2 and file3 in the current working directory.
 - (b) Make a copy of any text file using a command in UNIX.
 - (c) To display all the files whose filename starts with “a”.
 - (d) Write a grep command to select the lines from a file that has exactly 3 characters.
 - (e) Compare the two text files and display the first difference.
2. Write a shell program to display the last modification time of any file, if the filename of the file is given as input. 15

SECTION B

DBMS

3. Create a table with name "CATALOGUE" with the following fields :

(BOOK_ID, TITLE, AUTHOR_ID, AUTHORS, PUBLISHER_ID, PUBLISHER, CATEGORY_ID, YEAR, PRICE, VOLUME)

Select the appropriate data type for each of the fields. Identify the primary key.
Input meaningful data for at least 10 records.

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4. Write the following queries using SQL for the table given in Q 3 :

5×2=10

- (a) List all the Book_ID's published in the year 2015.
- (b) List all the Publisher's names.
- (c) List the Author(s) and their ID's for a given Book_ID.
- (d) Display the Price for any given book Title.
- (e) List all the Publisher_ID's.
