

MCA (Revised)

Term-End Practical Examination

00828

June, 2013

MCSL-045 : UNIX AND DBMS LAB

Time allowed : 2 hours

Maximum Marks : 50

Note : *There are two sections in this paper. Each section is of 1 hour duration and carry 20 marks. Each section have 5 marks for viva - voce separately.*

SECTION - A : UNIX LAB

1. Write and execute the UNIX Commands for performing the followings : 5
 - (a) To make a poster of "UNIX LAB".
 - (b) To find the status of current running processes.
 - (c) To compare two files and show the difference.
 - (d) To run a process at low priority.
 - (e) To report repeated lines in a file.

2. Write a shell script to check whether a given string is palindrome or not. 8

3. Write a shell script to print the prime numbers between 1 to 100. 7

SECTION - B : DBMS

Note : Answer the following questions :

1. Create a relational database with the following relations and insert at least 8 records in each table of the relation. **10**

BOOK (ISBN, Title, Publisher_Name, Author_Name, Price, Year_of_Pub.)

AUTHOR (Author_Id, Author_Name, ISBN, Address)

The key fields are underlined. Select appropriate data types for the fields. List the name and address of the author who has written book with ISBN = "122 - 34567 - 8911".

2. Write a function/procedure which take Author_ID as input and display the title, publisher_Name and Price of all the books written by him/her. **5**
3. Write a trigger which fires before any row in table Book is inserted or deleted. **5**