

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

00447

Term-End Practical Examination
December, 2014

MCSL-045(P)/S4 : UNIX AND DBMS LAB

Time : 2 Hours

Maximum Marks : 50

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

UNIX

1. Write and execute the UNIX commands for the following : 5×1=5
- (a) To print the status of all the running processes.
 - (b) To create a file using “Vi” editor.
 - (c) To set the file permissions to “read only” for all.
 - (d) To re-run the earlier command from the history list.
 - (e) To change the password.
2. Write a shell program to input a directory and sort the files in a reverse alphabetical order. 15

SECTION B

DBMS

3. Create the following DB :

EMPLOYEE (EName, SSN, BDate, Address, DNumber)

DEPARTMENT (DName, DNumber, DManager SSN)

DEPT_LOCATIONS (DNumber, DLocation)

WORKS_ON (SSN, PNumber, Hours)

PROJECT (PName, PNumber, PLocation, DNumber)

Select appropriate datatype for each of the fields. Identify appropriate "keys".
Input meaningful data for at least 5 records for each.

4. For the above DB given in Q3, answer the following queries using SQL : 5×2=10
- (a) To find the SSN and corresponding EName who works for PNumber = 123.
 - (b) To find the PLocation of Project PName = Product X.
 - (c) To display the DName where DManager SSN = 123121.
 - (d) To display the BDate of EName = Rahul.
 - (e) To display all the ENames.