

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

Term-End Practical Examination

June, 2015

00983

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. All the questions are compulsory.*
 - (ii) *Each section is of one hour duration and carries 20 marks.*
 - (iii) *5 marks are for viva-voce of each section separately.*
 - (iv) *Attempt only that section(s) which is not yet clear.*
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SECTION A

UNIX

1. Write and execute the following UNIX commands : 5×1=5
- (a) To create a directory and 2 sub-directories within the main directory.
 - (b) To display the path of the current working directory.
 - (c) To move a file from current working directory to the root directory.
 - (d) To count all the characters in a file.
 - (e) To search and locate a file to display its complete path.
2. Write a shell program to count and display the number of files in any specific sub-folder. 15

SECTION B

DBMS

3. Create the following database for the given schema below :
- Dept_Head (Dept_ID, Dept_Name, DOB, Emp_ID, Branch_ID, City)
- Employee (Dept_ID, Emp_ID, Name_Last, Name_First, Designation, Dept_Name)
- Salary (Emp_ID, Basic, DA, HRA, Allowances, Gross)
- Input 10 meaningful records for each. Identify the key constraints. 10
4. For the above database given in Q3, answer the following queries using SQL : 5
- (a) To display the Name_Last and Name_First of the Dept_ID = "123".
- (b) To display the Gross Salary of Emp_ID = "111".
5. Write a trigger that fires when any record is updated in Salary table. 5
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