

MASTER OF COMPUTER APPLICATIONS (Revised)
(MCA)

00635

Term-End Practical Examination

June, 2017

MCSL-045(P)/S3 : 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 UNIX commands : 5×1=5
- (a) To show the text file on the screen with paging control (no. of pages).
 - (b) To change to a new directory from root.
 - (c) To summarize free space on disk device.
 - (d) To print the process-status.
 - (e) To run program at specified intervals.
2. Write a shell program to delete all the odd numbered lines in a text file. 15

SECTION B

DBMS

3. Create a table with the fields shown :

EMP (ENO, ENAME, DESIGNATION, MANAGER, HIREDATE, SALARY,
DEPT NO)

DEPT (DEPTNO, DNAME, DLOCATION)

Select appropriate data types for all the fields. Identify the key constraints. Also,
input 10 meaningful records. 10

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

- (a) List the maximum, minimum salaries of each dept.
 - (b) List the details of the manager who has maximum number of employees under him.
 - (c) To display only the dept. nos.
 - (d) To display the employee name, employee number and salaries of all the employees.
 - (e) To display the employee name whose salary is the maximum among all.
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