MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

00528

Term-End Practical Examination

June, 2018

MCSL-045(P)/S3 : UNIX AND DBMS LAB

Time : 2 Hours   *Maximum Marks : 50*

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**.*

SECTION A

UNIX

1.   Write and execute the UNIX commands for the following :   5×1=5

(a)   To count the number of differences between 2 files.

(b)   To save the output in a file as well as display the same on the monitor.

(c)   To count the number of files in the current directory.

(d)   To kill a process with a PID.

(e)   To run a program/process at a lower priority.

2.   Write a shell script to check whether a given string is a palindrome or not.   *15*

SECTION B

DBMS

3. Create an "ORDER" table with the following fields :

   ORD_NO, BOOK_ID, DISTRIBUTOR_ID, BOOK_NAME, QTY, ISBN_NO, PRICE, AUTHOR_1, AUTHOR_2, PUBLISHER, YEAR

   Select a primary key. Select appropriate data types for each field. Input 10 meaningful records. Also, write the queries for the following :   *5*

   (a) Display ORD_NO, BOOK_NAME for all the books which cost above ₹ 500. $2\frac{1}{2}$

   (b) Sort all the records as per the QTY ordered. $2\frac{1}{2}$

4. Write a trigger that is fired whenever an insertion and update occurs in the above table.   *5*

5. Write a procedure that takes the ISBN_NO and returns the QTY of books ordered.   *5*

———