

**Master of Computer Application
(Revised) (MCA)
Term-End Examination
December, 2018
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 for each Section separately.
 - (v) Attempt only those Section(s) in which you are not successful as yet.
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Section-A**(UNIX)**

Note : Answer the following questions. They carry 20 marks and the viva-voce is for 5 marks.

1. Write and execute the following UNIX commands : 5×1=5
 - (a) To run a program at a later time.
 - (b) To kill a background process.
 - (c) To restart suspended job in foreground.
 - (d) To run a job in background.
 - (e) To summarize free space on disk device.
2. Write a shell script that searches for a pattern (given by user) in the given text file and displays the count of no. of times it occurred in that text-file. 15

Section-B**(DBMS)**

Note : Answer the following questions. They carry 20 marks and the viva-voce is for 5 marks.

3. For the schema given below, perform the tasks (a), (b) and (c) :

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

Author (Author_ID, Author_Name, ISBN, Add1, Add2, City, State).

- (a) Create table. Select appropriate data types for each of the fields. Identify appropriate keys and input 10 meaningful records. 5

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- (b) List all the books published by Publisher_Name = "XYZ Publishers". $2\frac{1}{2}$
- (c) List the Author_Name of the book with ISBN No. "11234455". $2\frac{1}{2}$
4. Write a procedure which takes input Author_Name and displays all the publications done by him for "XYZ Publishers". 5
5. Write a trigger which fires before inserting and deleting a record in the "Book" table. 5