

#### Unit IV

7. (a) Write a shell scrip to print prime number between 1 and 1000 a given string. 7  
(b) Write shell script to demonstrate the concept of argument passing. 8
8. (a) Discuss the various filter commands. 7  
(b) Discuss the various types of shell available in Linux. 8

No. of Printed Pages : 4

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**EE684**

**M. C. A. EXAMINATION, May 2019**

(Fifth Semester)

(B. Scheme) (Re-appear)

MCA651

LINUX AND SHELL PROGRAMMING

*Time : 3 Hours]*

*[Maximum Marks : 75*

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Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

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**Note :** Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

### Unit I

1. (a) Write down processes that involve in system start up and system shut down. 5  
(b) Draw the block for Boot Block and explain the contents. 5  
(c) Describe the Linux commands for handling files. 5
2. (a) Name the various Linux standard directories and discuss their applications. 7  
(b) Discuss basic architecture of Unix. 8

### Unit II

3. (a) What is a process ? Describe *nice* command with their attributes related to process management in Linux. 5  
(b) Explain commands to handle file related operation in *vi* editor. 5  
(c) What is Privilege ? Discuss the various commands related to privilege management in Linux. 5

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4. (a) What is the utility of pipes in Linux ? Explain with examples. 5  
(b) Discuss the commands related to security management in Linux. 5  
(c) Write the format of commands used for archiving purpose. 5

### Unit III

5. (a) What are the various types of users available in Linux ? Discuss commands related to create, manage and modify users. 5  
(b) Discuss process to create Back and Restore files. 5  
(c) Discuss feature of Gnome graphical interfaces. 5
6. (a) What is mounting of a file system ? Discuss the helpful commands for file management. 5  
(b) Discuss commands used for retrieving storage information of disk. 5  
(c) Explain steps to configure hardware with Kudzu. 5

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