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Roll No. ....

**EE-684**

**M.C.A. EXAMINATION, May 2018**

(Fifth Semester)

(B. Scheme) (Re-appear Only)

(MCA)

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.

(2-08/1) M-EE-684

**P.T.O.**

### **Unit I**

1. How Linux is installed ? Explain init and run levels. **15**
2. What are Linux standard libraries ? Explain various commands for files and directories. **15**

### **Unit II**

3. What is a process ? How multiple processes are managed in Linux ? Also explain scheduling of processes. **15**
4. What is Authentication ? Explain password administration in Linux. Also explain archiving. **15**

### **Unit III**

5. How users are managed in Linux ? Explain creating and managing groups, changing permissions and ownership. **15**
6. Explain the following : **15**
  - (a) Reconfiguration hardware with kudzu
  - (b) Gnome graphical interface.

### **Unit IV**

7. Explain the following statements/commands in shell programming with suitable example :**15**
  - (a) Condition and looping statement
  - (b) Case statement.
8. Write a Shell program for automated system task. Also explain various filter commands. **15**