



# AJEENKYA

## D Y PATIL UNIVERSITY

### End Term Examination (December 2019)

School: School of Engineering

Program: BTECH-MACT

Course: Linux Administration

Course Code: CSC 328

Semester: VII

Max Marks: 30

Duration (mins): 60 Min

- Note- 1. Figures to the right indicates full marks  
2. Attempt any three questions.

- Q1) a) Define Linux? What are the benefits of using Linux? (5)  
b) Explain Pipe commands? Write Down 4 CLI pipe Command? (5)
- Q2) a) Define SELinux? (2)  
b) Explain in detail the following Linux Service? (Any 5) (8)
- 1) Network Service
  - 2) DNS Service
  - 3) SMTP Service
  - 4) Squid Proxy Server
  - 5) CUPS Service
  - 6) Cron Service
  - 7) NFS Service
  - 8) FTP Service
- Q3) a) Define Kerberos? (2)  
b) Define Cryptography? (2)  
c) What Do you mean by CLI? Write Down the any 6 CLI commands with examples? (6)

**Q4) a) Explain the structure of Linux Operating System with diagram? (5)**

**b) Write down CLI commands of the following?**

**a) CAT**

**b) MKDIR (For multiple Directories with single command)**

**c) Touch**

**d) MV**

**e) LS (for listing all file permissions) (5)**

**Q5) a) Define IPTables? (2)**

**b) Explain in detail following Linux Security Services? (8)**

**1) File System Security**

**2) User Level Security**

**3) Disk Level Security**

**4) System Audit**

**5) Network Security**

**Page 2/2**

**\*\*\*\*\*ALL THE BEST\*\*\*\*\***