

**B.C.A DEGREE (C.B.C.S.S) EXAMINATION, OCTOBER 2018****(2016 Admission Regular)****SEMESTER V - CORE COURSE(CLOUD COMPUTING AND INFORMATION SECURITY MANAGEMENT )  
CA5B13TB - LINUX ADMINISTRATION****Time : 3 Hours****Maximum Marks : 80****Part A****I. Answer all questions. Each question carries 1 marks****(6x1=6)**

1. Expand KDE.
2. What is called sshd?
3. What are the contents in /bin and /lib directories?
4. Give a description for SIGKILL.
5. Define message non- repudation.
6. Define Encryption with an example.

**Part B****II. Answer any Seven questions. Each question carries 2 marks****(7x2=14)**

7. Define Multitasking.
8. What are the features of Linux used for security?
9. Write the description and syntax for useradd.
10. Write the description and syntax for usermod.
11. List and explain any 4 filter commands.
12. What is the use of ipconfig -a?
13. What do you mean by tracert?
14. Explain FTP service.
15. Define DNS Services.
16. Explain network security.

**Part C****III. Answer any Five questions. Each question carries 6 marks****(5x6=30)**

17. What are the rules for naming a file?
18. Explain the tar utility with its features.
19. Explain the basic ls command with any 6 parameters.
20. Explain any 3 TCP/IP utilities to connect to a remote Linux machine.
21. Explain a. Tracert b. PING c. ARP
22. Write a short note on Network Information Service.
23. Explain the working of LDAP.
24. Write a short note on Cryptography.

**Part D****IV. Answer any Two questions. Each question carries 15 marks****(2x15=30)**

25. a. Explain the Linux system architecture and components of Linux system. b. Explain the features of Linux OS.
26. a. Explain in detail the installation of Redhat 7, 64 bit. b. Explain the Kickstart installation.
27. a. Explain SSH in detail. b. Explain booting process
28. a. Explain the different services available in Linux system b. Explain the different security features available in Linux system