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BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024
2022 ADMISSIONS REGULAR
B.C.A SEMESTER V - CORE COURSE (COMPUTER APPLICATIONS)
BCA5B20B18 - Linux Administration

Time : 3 Hours

Maximum Marks : 80

Part A

I. Answer any Ten questions. Each question carries 2 marks

(10x2=20)

1. Explain command shell.

2. Differentiate between cp and mv commands.

3. Describe /root and /home.

4. Mention any two distributions of Linux.

5. Explain mount and umount commands in Linux

6. Define boot loaders.

7. Differentiate between fork() and kill().

8. Define the kill command?

9. Define system audit.

10. Explain the different types of DNS Servers.

11. Describe regular files in Linux

12. Explain inode.

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Explain the usage and interpretation of any 5 special characters.

14. Write notes on tar and cpio.

15. Briefly explain RPM with its basic modes.

16. Explain the important terminology used in process management.

17. Explain a. NETSTAT b. IFCONFIG c. NSLOOKUP

18. Explain Network file system.

19. Explain LDAP.

20. List any five directories from the directory tree in Linux and mention their purpose.

21. How to convert a pathname to inode with the help of algorithm.

Part C

III. Answer any Two questions. Each question carries 15 marks

(2x15=30)

22. a. Explain ownerships and permissions in linux b. How to change a File's Owner or Group with the help of commands .

23. a. Explain Secure shell. (10 marks) b. Write a short note on booting process (5 marks).

24. a. Explain about firewalls (10 marks) b. Write a short note on cryptography (5 marks).

25. Describe the different types of links. Explain each type with the help of commands.