Reg. No :................................

Name :................................

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2025

2018, 2019, 2020, 2021, 2022 ADMISSIONS SUPPLEMENTARY

SEMESTER IV - CORE COURSE (COMPUTER APPLICATIONS)

CA4B08B18 - Linux Administration

Time : 3 Hours   **Maximum Marks : 80**

Part A

I. Answer any Ten questions. Each question carries 2 marks   **(10x2=20)**

1. Explain the difference between more and less command.

2. List out any two options of ls command with syntax and example.

3. Identify the command for creating a directory and discuss with the syntax.

4. List the states of Linux Processes.

5. What do you mean by command mode in vi editor.

6. Define shell script .

7. Explain a) echo b) shift

8. What is the use of sh command ?

9. write a command using redirection operators to get first three characters from all the lines of a file.

10. Define the term super user ?

11. Explain File Transfer Protocol in the internet environment

12. Expand DHCP. What is its function ?

Part B

II. Answer any Six questions. Each question carries 5 marks   **(6x5=30)**

13. Identify and discuss variants of Linux Operating system.

14. Discuss the properties of processes.

15. Discuss Kernel process in detail.

16. Explain the case ..... esac statement with syntax. Write a shell script to perform arithmetic operators using case ... esac statement.

17. Write a shell script to find the highest and smallest among two numbers.

18. Discuss the piping symbol | as a redirecting operator with example.

19. Discuss file security aspects of Linux operating system.

20. Briefly explain the following commands :- a) tr b) pr c) head d) tail e)cut f) sort

21. Write short note on Samba server

Part C

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

22. Discuss different features of Linux Operating System.

23. Explain the Iteration statements used in shell scripting with syntax and examples.

24. Explain the roles and responsibilities of the System Administrator.

25. Discuss about various file servers.