

TB214160W

Reg. No :

Name :

B.Sc. DEGREE (C.B.C.S.) EXAMINATION, MARCH 2023

(2021 Admissions Regular, 2020 Admissions Supplementary / Improvement, 2019 & 2018 Admissions Supplementary)

SEMESTER IV - CORE COURSE (COMPUTER APPLICATIONS (TRIPLE MAIN)

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. Explain \usr directory
3. Identify and discuss the command used to list file attributes and file permissions in Linux.
4. Explain the different modes in vi editor.
5. What is the command to evaluate expressions in Linux? Give example.
6. Define shell script .
7. Explain a) echo b) shift
8. Explain arithmetic expressions in Bourne shell.
9. Define the term super user .
10. What is the result of the given command line cat test >wc -l?
11. Discuss the command sed.
12. Compare grep commands .

Part B

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

(6x5=30)

13. Identify and discuss variants of Linux Operating system.
14. Explain relational and logical operators in Bourne shell with examples.
15. Discuss multitasking in detail.
16. Discuss variants of shells in Linux.
17. Compare the syntax of for loop and while loop with examples.
18. Explain the steps to add and manage user accounts in Linux operating system.
19. Identify and explain different administrative files in Linux Operating system.
20. Explain DNS
21. Briefly explain the following commands :- a) tr b) pr c) head d) tail e) cut f) sort

Part C

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

(2x15=30)

22. Explain the Installation requirements and different steps to install Linux.
23. Explain the Iteration statements used in shell scripting with syntax and examples.
24. Discuss the following a) Checking and monitoring system performance. b) Common administrative tasks
25. Explain different filters using regular expressions.