



QP CODE: 25020205



Reg No :

Name :

**B.Sc/BCA DEGREE (CBCS)) REGULAR/ IMPROVEMENT/ REAPPEARANCE /
MERCY CHANCE EXAMINATIONS, FEBRUARY 2025**

Fourth Semester

Core Course - CS4CRT10 - LINUX ADMINISTRATION

(Common for B.Sc Computer Applications Model III Triple Main, B.Sc Computer Science Model III,
B.Sc Information Technology Model III, Bachelor of Computer Applications)

2017 Admission Onwards

E86A2C6A

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is i-node table?
2. What is the difference between home directory and working directory?
3. Which are the commands used to create files in Linux?
4. What are the different properties of a process in Linux?
5. What is cron?
6. Explain the command: \$ sort -o result file1 file2 file3
7. Give syntax of case statement.
8. What is a shell keyword? Give example.
9. Distinguish between groupmod -g and groupmod -n command in Linux.
10. Define the term file system.
11. What is the difference between head and tail filters?
12. What is FTP?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. What are the advantages of Linux operating system?
14. Describe ls and cd commands.
15. What is Linux Redirection? Explain the different types of redirection with suitable examples.
16. What are editors? Explain vi editors.
17. Describe the use of conditional statement in shell scripts with suitable example.
18. What is command line arguments? How will you use command line arguments in a shell script?
19. Describe how can you change permissions and owner ships of a file with the help of examples.
20. What is a regular expression? Describe the use of grep and egrep commands.
21. What is DNS Server?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain any five file processing commands in Linux with its syntax and suitable examples.
23. What is a shell in Linux? Compare different shells available in Linux.
24. a). Explain file access permission in detail.
b). What is the use of uname and hostname commands in Linux?
25. Write short note on a) Apache b)Samba c)Telnet

(2×15=30)

