



22101570

QP CODE: 22101570

Reg No :

Name :

**B.Sc/BCA DEGREE (CBCS) IMPROVEMENT / REAPPEARANCE EXAMINATIONS,
MAY 2022**

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

DE6F8AB8

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is super block?
2. What is the difference between home directory and working directory?
3. Which are the commands used to create files in Linux?
4. Define process in Linux.
5. What is the usage of nohup command in Linux?
6. What are the different modes of vi editor?
7. Explain features of BASH shell.
8. What is a shell keyword? Give example.
9. Define groupadd command in Linux.
10. What is the outcome of the command `chmod 755 f1.txt`?
11. What is FTP?
12. What is samba?





(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain features of Linux operating system.
14. Which are the various directory related commands?
15. What is Linux Redirection? Explain the different types of redirection with suitable examples.
16. Explain the usage of wc and sort commands in linux with suitable examples.
17. Describe case statement in shell script .
18. What is command line arguments ? How will you use command line arguments in a shell script?
19. Describe the process of installing and removing packages with rpm command.
20. What is a regular expression? Describe the use of grep and egrep commands.
21. What is Telnet? What all are the advantages and disadvantages of using Telnet?

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. (a) Explain process related commands.(any three) (b) Explain different mathematical commands?
23. What is a shell in Linux? Compare different shells available in Linux.
24. What are the roles and responsibilities of a system administrator?
25. a)How can you change the case of a file using tr filter? Explain different options of tr filter.b). What is the use of unique command?

(2×15=30)

