23124368

QP CODE: 23124368

Reg No : .....

Name : .....

B.Sc/BCA DEGREE (CBCS) REGULAR EXAMINATIONS, MAY 2023

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)

2021 Admission Only

362653DB

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is Data 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 tee command.
5. Define who and whoami commands in Linux.
6. What is the use of file and touch command in Linux?
7. What is shell environment?
8. Give syntax of case statement.
9. Distinguish between groupmod -g and groupmod -n command in Linux.
10. Define the term file system.
11. What is the use of sed command?
12. What is samba?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Which are the hardware requirements for Linux installation?

14. Explain Linux file system in detail.

15. What is Linux Redirection? Explain the different types of redirection with suitable examples.

16. What are editors? Explain vi editors.

17. What is command line arguments. How will you use command line arguments in a shell script

18. Explain different types of variables in shell script.

19. Discuss how a system administrator can manage its user account.

20. What is DNS Server?

21. What are the advantages and disadvantages of using Telnet?

(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. Explain decision making and branching statements with examples.

24. a) Explain file access permission in detail.
    b) What is the use of uname and hostname commands in Linux.

25. With example explain different filters available in linux.

(2×15=30)