23106928

QP CODE: 23106928

Reg No : .....

Name : .....

B.Sc/BCA DEGREE (CBCS) IMPROVEMENT / REAPPEARANCE EXAMINATIONS, MARCH 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)

2017 Admission Onwards

FCDB8F44

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is the basic difference between Unix and Linux operating system?
2. What is the difference between home directory and working directory?
3. What is file command?
4. Define ps command in Linux.
5. Define the insert mode in vi editor.
6. What are the different modes of vi editor?
7. Give syntax of case statement.
8. What is commandline argument? Write command to display total number of commandline arguments in a shell script.
9. Describe log file.
10. Differentiate between absolute mode and symbolic mode in FAP.
11. What is FTP?
12. What is samba?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain the basic architecture of Linux OS.
14. Explain Linux file system in detail.
15. Explain the concept of pipes using suitable examples.
16. Explain mathematical commands used in Linux.
17. What are the different shells available in Linux?
18. Explain different types of variables in shell script.
19. Describe the process of installing and removing packages with rpm command?
20. What are the different options of tr filter.
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. 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. Explain the Filters using regular Expressions.

(2×15=30)