



**K22U 1512**

**Reg. No. :** .....

**Name :** .....

**IV Semester B.C.A. Degree CBCSS (OBE) Regular/Supplementary/  
Improvement Examination, April 2022  
(2019 Admission Onwards)  
Core Course  
4B10BCA : LINUX ADMINISTRATION**

**Time :** 3 Hours

**Max. Marks :** 40

**PART – A  
(Short Answer)**

**Answer all questions :** (6×1=6)

1. What command is used to remove files ?
2. What is a shell ?
3. What is LILO ?
4. Which command is used to make a file system available to the system ?
5. What is meant by Kernel in Linux system ?
6. What is GUI ?

**PART – B  
(Short Essay)**

**Answer any 6 questions :** (6×2=12)

7. How to copy a file in Linux ?
8. What are the basic components of Linux ?
9. What are filters ?

**P.T.O.**



- 10. What are the key features of the bash Shell ?
- 11. What is soft link ?
- 12. What is the use of free software ?
- 13. What is GRUB in Linux ?
- 14. What is syslog ?

**PART – C**  
**(Essay)**

Answer any 4 questions :

**(4×3=12)**

- 15. Briefly describe the Shell's responsibilities.
- 16. What are shell variables ?
- 17. What is the use of the 'mkdir' command in Linux ?
- 18. How do you change permissions under Linux ?
- 19. How many types of users are there in Linux?
- 20. Explain the use of ls command.

**PART – D**  
**(Long Essay)**

Answer any 2 questions :

**(2×5=10)**

- 21. How do you perform system maintenance in Linux ?
  - 22. How does mounting work in Linux ?
  - 23. What is Linux and describe some of its unique features.
  - 24. Explain different types of loops are there in Linux.
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**K21U 1076**

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(2019 Admission Only)**

**Core Course**

**4B10BCA : LINUX ADMINISTRATION**

Time : 3 Hours

Max. Marks : 40

**PART – A**

Short answer. Answer **all** questions :

**(6×1=6)**

1. What are two types of Linux User Mode ?
2. What is pipe ?
3. Which command is used to delete the current line ?
4. Which command is used to view the disk usage within a directory ?
5. What do you understand by Linux Kernal ?
6. What is BASH ?

**PART – B**

Short essay. Answer **any 6** questions :

**(6×2=12)**

7. What are the basic components of Linux ?
8. What is the use of cron command in Linux ?
9. Which are the Shells used in Linux ?
10. What does a nameless (empty) directory represent ?
11. What are the key features of the bourne shell ?
12. Define Bourne shell scripts.
13. Why Linux is called free software ?
14. What are shell variables ?

**P.T.O.**

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**PART – C**

Essay. Answer **any 4** questions :

**(4×3=12)**

15. How do you copy and move a file in Linux ?
16. What is Xwindows in Linux ?
17. What is a shell in programming ?
18. What is wild-card interpretation ?
19. What are the different modes when using vi editor ?
20. What is the command to change the group ownership of a file ?  
Write its syntax.

**PART – D**

Long essay. Answer **any 2** questions :

**(2×5=10)**

21. Explain conditional control structure in linux.
22. What are the different Linux system backup types ? How are they different ?
23. Explain file management commands.
24. Explain free software concepts.