K24U 0833

Reg. No. : ....

Name : ....

IV Semester B.C.A. Degree (C.B.C.S.S – O.B.E. – Regular/Supplementary/ Improvement) Examination, April 2024
(2019 to 2022 Admissions)
Core Course
4B10BCA : LINUX ADMINISTRATION

Time : 3 Hours

Max. Marks : 40

PART – A
Short Answer

Answer **all** questions :

(6×1=6)

1. The hashed passwords for users are stored in _____ file in etc folder.

2. What is useradd command ?

3. _____ mode in vi editor enables you to insert text into the file.

4. What is the significance of *ls* command ?

5. What is lilo.conf file ?

6. What is the purpose of runlevel 1 ?

PART – B
Short Essay

Answer **any 6** questions :

(6×2=12)

7. What is multi-user operating system ?

8. What are the benefits of using free software ?

9. What is the difference between pipe command and piping a command ?

10. What are the advantages of shell scripting ?

P.T.O.

11. What is the significance of .bashrc file in Linux ?

12. Define runlevels in Linux.

13. What is the significance of logrotate utility in system maintenance ?

14. What is meant by incremental back up in Linux ?

PART – C
Essay

Answer **any 4** questions : (4×3=12)

15. Explain the commands to change password for users in Linux.

16. What is absolute path name ? Explain with examples.

17. List the commands used to delete characters and lines from a file.

18. Explain if-then-else command in shell scripting.

19. What is meant by mounting file system in Linux ?

20. Explain cp command in performing following activities : (1+1+1)
    i) Copying between two files in Linux.
    ii) Copy files to a directory in Linux.
    iii) Copying files between two directories in Linux.

PART – D
Long Essay

Answer **any 2** questions : (2×5=10)

21. Explain file permissions and user groups in Linux.

22. Define infinite loops and various loop control commands used in shell scripting.

23. Explain any five major services in Linux system.

24. What is swap partitioning ? What are the benefits of using swap partition ?

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P.T.O.

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PART – A

Short answer. Answer **all** questions.

(6×1=6)

1. What is free software ?

2. Write the command for creating a directory in Linux.

3. How to change the file permission ?

4. What is bourne shell ?

5. What is 'cp' command ?

6. What is X Windows ?

PART – B

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

(6×2=12)

7. Explain different types of files in LINUX.

8. What is command mode in Vi Editor ?

9. Explain the commands for copy and paste.

10. Differentiate relative and absolute pathnames.

11. Differentiate /etc/bashrc and ~/ bashrc.

P.T.O.

K23U 1077

12. Explain Kernel in Linux.

13. Explain cron command.

14. What are service commands ?

PART – C

Essay. Answer **any 4** questions.　　　　　　　　　　　(4×3=12)

15. What are different types of shells in Linux ?

16. Explain the shell scripting variables and parameters.

17. Write the steps to change password in Linux.

18. What are the different modes used in Vi editor ?

19. What is shell function ?

20. Explain tmpwatch command.

PART – D

Long essay. Answer **any 2** questions.　　　　　　　　　(2×5=10)

21. Write the features and benefits of Linux.

22. Explain the various editing commands in Vi.

23. Explain the different control structures in Linux.

24. Explain the backup types in Linux.

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K22U 1512

Reg. No. : ....

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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 ?

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

IV Semester B.C.A. Degree CBCSS (OBE) Regular Examination, April 2021
(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 ?

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.

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