

E 1659

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Reg. No.....

Name.....

B.C.A./B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2016

Sixth Semester

Choice based Core Course—LINUX OPERATING SYSTEM

(Common for B.C.A. and B.Sc. Computer Applications)

[2013 Admissions]

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each question carries 1 mark.

1. Maximum how long can a Linux filename be ?
2. Which command is used to get the Kernel version in Linux ?
3. What command do you use to create Linux file systems ?
4. What is the maximum number of processes exists in Linux system ?
5. What command is used with vi editor to replace text from cursor to right ?
6. What is the purpose of mv command ?
7. How variables are defined in shell ?
8. List the command which keeps a process running even after you logout from your shell.
9. Which of the following command use to list like file 1, file, file12 and file 2 ?
10. What service is used to translate domain names to IP addresses ?

(10 × 1 = 10)

Part B

Answer any eight questions.

Each question carries 2 marks.

11. What is LILO ?
12. What is a Daemon ?
13. What is the difference between home directory and working directory ?
14. What is the difference between internal and external commands in Linux ?
15. What is a super block ?
16. What is context switch ?
17. What is kill () ?

Turn over

18. How will you pass and access arguments to a script in Linux ?
19. What are the two major types of shells ?
20. How do we delete all blank lines in a file ?
21. What is DNS ?
22. What is FTP ?

(8 × 2 = 16)

Part C

*Answer any six questions.
Each question carries 4 marks.*

23. What is the use of Kernel in Linux operating system ?
24. Explain absolute path name and relative path name with suitable example.
25. What are the different attributes of a file ?
26. What are the different modes of Vi editor ?
27. How to connect processes with pipes ? Explain.
28. How is chown different from chgrp when it comes to ownership ?
29. What is the difference between a wild card and a regular expression ?
30. What is hard disk and soft link ?
31. Explain the following commands :
(i) Head ; (ii) Tail ; (iii) Sort ; (iv) Paste.

(6 × 4 = 24)

Part D

*Answer any two questions.
Each question carries 15 marks.*

32. (a) Describe the salient features of Linux operating system. (8 marks)
- (b) Explain each column of the output of ls-l command. (7 marks)
33. (a) What are the different ways in which a text can be inserted in Vi editor ? (8 marks)
- (b) What is a process ? Explain the commands bg, fg and kill. (7 marks)
34. (a) List and explain methods to change permission of File/Directories. (8 marks)
- (b) What are shell variables ? Explain with examples. (7 marks)
35. (a) Explain the grep command, with options c, r, v, I with an example. (9 marks)
- (b) Write short notes on Apache and Telnet. (6 marks)

[2 × 15 = 30]