

S.No. 1658

12UCA07

(For the candidates admitted from 2012–2013 onwards)

B.C.A. DEGREE EXAMINATION, NOVEMBER 2017.

Fourth Semester

LINUX ADMINISTRATION

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Name the display managers of KDE and GNOME.
2. What is the use of 'cat' command?
3. What is the use of Wine?
4. Write down the use of Compatibility Database for Mac.
5. Explain the meaning of root:x:0:0:root:/root/bin/bash.
6. What is the difference between \$ and # prompts?
7. How would you set the password for a user?



8. Explain the 'useradd' command options `-m` and `-s`.
9. Who is a cracker?
10. What is the use of 'exploit' program?

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Explain the use of 'cd' command.
- Or
- (b) Describe the use of 'cp' and 'mv' commands.
12. (a) How would you launch a remote X application?
- Or
- (b) What are the different ways of starting 'dosexu' in Linux?
13. (a) How can you make the users added to a group called 'wheel' to have full administrative privileges using 'sudo'?

Or

- (b) What are the various fields of the 'fstab' command?

14. (a) Describe the various fields of the Create New User window?

Or

- (b) Explain the 'usermod' options.
15. (a) Write notes on 'smruf' amplification attack.

Or

- (b) Describe the various 'netstat' parameters.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the features of KDE.
17. List the Windows drive letters and their mapping in Linux.
18. Write notes on monitoring power management in laptops.
19. What are the various options available for the 'useradd' command? Describe any ten of them.
20. Which are the different ways of detecting Distributed Denial Of Service attack?