

**B. Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2017**  
**SEMESTER VI - COMPUTER APPLICATIONS**  
**CA6LOS – LINUX OPERATING SYSTEM**

Time: Three Hours

Maximum Marks: 80

**PART A**

**I. Answer all questions. Each question carries 1 mark.**

1. \_\_\_\_\_ control character signals the end of the input file.
2. Name a communication command.
3. \_\_\_\_\_ command counts number of characters or lines.
4. Linux was developed by \_\_\_\_\_.
5. Standard type of file for linux is \_\_\_\_\_.
6. The file that contains shell commands is called \_\_\_\_\_.
7. Maximum length allowed for a Linux file name is \_\_\_\_\_.
8. Expand DNS.
9. \_\_\_\_\_ is the shell command to change permission.
10. The person who is responsible for setting up and maintaining the system is called as \_\_\_\_\_.

**(10x1=10)**

**PART B**

**II. Answer any eight questions. Each question carries 2 marks.**

11. What is the difference between home directory and working directory?
12. How to check disk free space?
13. What is the purpose of .exrc file?
14. What is meant by background processing?
15. Explain various editors.
16. What is meant by default directory?
17. What are the basic tasks of super user?
18. What are log files?
19. Explain different user groups in Linux.
20. Give short note on DHCP.
21. What are shell variables?
22. Discuss on various types of shell available in shell programming.

**(8x2=16)**

**PART C**

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

23. Explain the Architecture of Linux Operating System.
24. Discuss various Linux file commands.
25. What are the four components of a Linux file system?
26. What do you mean by batch commands?

27. How can a user be disabled temporarily?
28. How can a file system be mounted?
29. Explain the syntax of case-esac construct with an example.
30. Explain mathematical commands.
31. Explain passing of parameters and arguments to shell program with suitable example.

**(6x4=24)**

#### **PART D**

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

32. Explain process in Linux.
33. Discuss in detail about various decision statements supported by shell.
34. Discuss various system administrative tasks? Mention the important configuration files and puposes.
35. a) Describe the salient features of Linux operating system.  
b) Explain each column of the output of ls-l command.

**(2x15=30)**