

**B. SC. DEGREE (C.B.C.S.S) EXAMINATION, MARCH 2018**  
**(2015 Admission Regular)**  
**SEMESTER VI - CORE (COMPUTER APPLICATIONS)**  
**CAC6B13TB - LINUX OPERATING SYSTEMS**

Time : 3 Hours

Maximum Marks : 80

**Part A**

**I. Answer all questions. Each question carries 1 marks****(6x1=6)**

1. Name the command for renaming a file
2. Who developed GNU Linux ?
3. Which command is used to word count in Linux ?
4. What is the use of rpm command ?
5. Name a communication command .
6. What is Samba ?

**Part B**

**II. Answer any Seven questions. Each question carries 2 marks****(7x2=14)**

7. Explain the term Superblock ?
8. Briefly explain Inode.
9. Define Batch processing
10. Discuss multitasking ?
11. What does chmod 755 file1.txt represent ?
12. Explain different usergroups ?
13. List the various types of editors that are compatible with Linux.
14. Which are the two modes of vi editor ?
15. Compare grep and sort commands in Linux.
16. Differentiate tr and pr ?

**Part C**

**III. Answer any Five questions. Each question carries 6 marks****(5x6=30)**

17. Explain Directory commands with the help of syntax and examples ?
18. Write short note on Shell and Kernal .
19. Discuss some of the Vi commands .
20. How can you read,write and remove permissions from a group and other users of a file file.txt ?
21. Explain in detail about chmod command ?
22. Explain various editors available in Linux ?
23. Explain the structure of a Shell script ?
24. Write short notes on Samba.

**Part D**

**IV. Answer any Two questions. Each question carries 15 marks****(2x15=30)**

25. Describe the main components or Architecture of Linux Operating system with the help of neat diagram.
26. Explain the following :- a. Batch commands. b. Printing commands. c. Processing commands.
27. Explain the Iteration statements used in shell scripting with syntax and examples .
28. Discuss about various File Servers .