

Seat No.	
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B.C.A. (Part - III) (Semester - VI) Examination, October - 2015**LINUX (Paper - 601)****Sub. Code : 50068**

Day and Date : Saturday, 31 - 10 - 2015

Total Marks : 80

Time : 11.00 a.m. to 2.00 p.m.

- Instructions :
- 1) Attempt any five questions.
 - 2) Each question carry 16 marks.
 - 3) Figures to the right indicate full marks.

- Q1)** a) What is operating system? Write difference between Linux and Windows OS. [8]
- b) Explain various modes of vi editor. [8]
- Q2)** a) Discuss various hardware requirements for Linux operating system. [8]
- b) Explain directory structure of Linux operating system. [8]
- Q3)** Draw neat diagram and explain architecture of Linux operating system. [16]
- Q4)** a) What is looping? Explain for loop used in shell programming. [8]
- b) Write a shell script to count the words, characters and lines from given text file. [8]

- Q5)** a) Write a shell script to find sum of first 50 even numbers. [8]
b) Explain advantages and disadvantages of Linux operating system. [8]

Q6) Explain the following commands with suitable example. [16]

- a) cat
- b) cp
- c) gzip and gunzip
- d) id and who

- Q7)** a) What is use of export and expr statement? [8]
b) Explain various methods of login and logout in Linux. [8]

Q8) Write short note on (Any Two) [16]

- a) Bourn and Bash shell
- b) Is command
- c) General purpose utilities
- d) Prompt character

