



C - 62

Seat No.	
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Total No. of Pages : 2

**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]

**P.T.O.**

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

