Seat No.

B.C.A. (Part - III) (Semester - VI) Examination, April - 2014
LINUX
Sub. Code : 50068

Day and Date : Monday, 07 - 04 - 2014   Total Marks : 80
Time : 3.00 p.m. to 6.00 p.m.
Instructions : 1) Attempt any four questions from Q.1 to Q. 7.
              2) Q. 8 is compulsory.

Q1) a) What is an operating system ? Explain the different features of linux. **[8]**

   b) State and explain difference between Linux and Unix. Also specify why linux is called as free o.s.   **[8]**

Q2) Explain architecture of Linux in detail. Also explain functioning of kernal with a diagram.   **[16]**

Q3) a) What is a editor ? Explain ed editor in detail.   **[8]**

   b) What are different commands used in vi editor to change modes of vi editor.   **[8]**

Q4) a) What is conditional control statement ? Explain if ....else - fi statement with example.   **[8]**

   b) Explain following statement in detail read, echo, printf, let.   **[8]**

Q5) a) Explain pipeline concept in detail.   **[8]**

   b) State and explain any two file management commands.   **[8]**

P.T.O.

Q6) Explain following commands in detail who, cat, mkdir, grip. **[16]**

Q7) a) Write shell program to print reverse of given number 123. **[8]**

b) Explain ls command. **[8]**

Q8) Write short note on any four. **[16]**

a) shell variable.

b) Bourne shell & Bash shell.

c) grep command.

d) file permission.

e) General purpose utilities.

f) WC command.

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