



Examination : Additional Sessional      Seat No. : \_\_\_\_\_  
Date : 12/12/2012      Day : Wednesday  
Time : 11:00 to 12:15      Max. Marks : 36

**INSTRUCTIONS:**

1. Figures to the right indicate maximum marks for that question.
2. The symbols used carry their usual meanings.
3. Assume suitable data, if required & mention them clearly.
4. Draw neat sketches wherever necessary.

**Q.1 Answer the Following :** [12]

- (A) Explain the working of the commands :- (cat a1 a2) > a3 & cat a1 a2 > a3. Is there any difference between the two? [2]
- (B) Which of the following is not a right way to get into the current user's home directory? [1]  
(a) cd - (b) cd ~ (c) cd \$HOME (d) cd
- (C) The \_\_\_\_\_ interacts with the hardware and the \_\_\_\_\_ interacts with the user. [1]
- (D) Explain the working of the following command :- (cal;ls) | wc >> f1 [2]
- (E) (i) State true/false: Renaming a file changes the i-node number of the renamed file. [2]  
(ii) State true/false: Copying a file changes the i-node number of the new copied file.
- (F) Which of the following is/are not a valid file name? [1]  
(a) -abc (b) /a1 (c) .ab.c (d) 123a
- (G) Give the command to see ALL the files in the current directory. [1]
- (H) Convert the following number from Decimal to Octal Number System using bc. [2]  
Number:- 20

**Q.2 Answer the following.** [12]

- (A) Explain characteristics of Linux with suitable example. [4]
- (B) Give a list of all important information available through the date command. [4]
- (C) Give commands to [4]  
(i) display (iii) remove  
(ii) move (iv) find the size  
for the content of current directory. Give proper command line for each.

**OR**

- (C) Give the output for the following command lines: [4]  
(i) \$ od -bc file1 (iii) \$ alias df='diff f1 f2'  
(ii) \$ cmp -c f1 f2 (iv) \$ tput clear

**Q.3 Answer the following:** [12]

- (A) Use the ls command to list all .doc files in the current directory, take a word count (wc) by the amount of lines and display the output to the terminal as well as save in the file count.txt. [3]
- (B) Explain the differences between echo & printf commands with example. [4]
- (C) Explain output of ls -l in detail with example. [5]

**OR**

**Q.3 Answer the following:** [12]

- (A) Write down at least three different way of creating a file with proper command lines. [3]
- (B) Explain more & less pagers with example. [4]
- (C) Explain comm and diff command. What are the main differences between them? [5]