SUBJECT CODE: 11CS/ME/LP63

B. C. A. DEGREE EXAMINATION, APRIL 2015
SIXTH SEMESTER

COURSE   :   MAJOR ELECTIVE
PAPER   :   LINUX PROGRAMMING
TIME   :   1½ HOURS   MAX. MARKS: 50

SECTION - A

Answer all questions: **(10 x 1 =10 marks)**

Fill in the blanks

1. A_____ is a region of a physical memory storage used to temporarily hold data while it is being moved from one place to another.

2. Output of one command goes as Input to another command using _____.

3. _____ substitution is one of the steps being performed every time commands are processed by the shell.

4. A _____ acts as a interface between the user and the system.

5. _____ commands are not built in to the shell.

Choose the Correct answer

6. Unix OS was developed by _____.

  a. Dennis Ritchie   b. Bjarne stroustrup

  c. Ken Thompson   d. None of the above

7. Redirection in pipes can be achieved by using _____.

   a. >   b. >>   c. tee   d. /pr

8. In a system, if 5 people are currently using the vi editor, then the number of processes will be _____.

   a. 1   b. 5   c. 2   d. 0

9. Shell program is stored in a file called _____.

   a. Unix   b. sh   c. Dd   d. Cc

10. The /boot directory stores the data that is used _____.

    a) before the kernel begins executing user mode programs
    b) after the kernel begins executing user mode programs
    c) before the boot loader is loaded in the RAM
    d) none of the mentioned

SECTION – B

Answer all questions: **(5 x 2 = 10 marks)**

11. List few advantages of Unix.

12. What is the Usage of tee?

13. What is Regular expression?

14. Define Shell.

15. Write short notes on super block.

SECTION - C

Answer any Six questions: **(6 x 5 = 30 marks)**

16. Explain about the History of UNIX.

17. Discuss the architecture of UNIX.

18. Write in detail about grep command with example.

19. What is line addressing? Explain.

20. What is meant by command line argument in shell programming?

21. What is a process? Give the process utilites with option.

22. Write short on (i) Boot block   (ii) Inode.

23. Explain the usage of "case" in a shell script.

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