SUBJECT CODE: CS/MC/OS64

B. C. A. DEGREE EXAMINATION, APRIL 2013
SIXTH SEMESTER

COURSE   :   MAJOR CORE
PAPER   :   OPERATING SYSTEMS - II
TIME   :   1½ HOURS   MAX. MARKS: 50

Section A

ANSWER ALL QUESTIONS: (10 X 1 = 10)
Fill in the blanks/ State True or False:

1. _____ command is used to view files.

2. _____ command finds the first place that two files differ.

3. sed is a _____.

4. Each process has a memory area associated with it. (True/ False)

5. UNIX is not a multiprogramming OS. (True/ False)

Choose the correct answer:

6. Which of the following is not an OS?
    a. Linux   b. UNIX   c. Windows   d. Mosaic

7. _____ is a wild card file matching character.
    a. *   b. #   c. :   d. "

8. _____ is the editor used to type programs in UNIX.
    a. iv   b. vi   c. hi   d. All of these

9. _____ is a relational operator.
    a. <   b. >   c. =   d. All of these

10. _____ command will kill all your processes except the login shell.
    a. kill 1   b. kill all   c. kill 0   d. kill -1

Section B

ANSWER ALL THE QUESTIONS: (5 X 2 = 10)

11. Define Operating Systems.
12. Give an example for a Regular Expression.
13. What is the use of the exit command?
14. Give two examples of advanced filters.
15. What is a Process?

Section C

ANSWER ANY SIX QUESTIONS: (6 X 5 = 30)

16. Explain the UNIX file system with diagrams.
17. What are the various permissions available to access files? How is the system call **chmod** used with regard to this?
18. Write short notes on any five general purpose utilities. (example: date)
19. What is the use of sort command? Explain with suitable examples.
20. Write a shell program to find the largest of three numbers. Get the input as command line arguments.
21. What are the various forms of if statement in UNIX? Explain each one with syntax and example.
22. Write short notes on filtering with the awk command.
23. Explain how system startup and shut down is performed in a LINUX system.

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