SECTION - B

II. Answer **any 5** questions. Each question carries **10** marks.   5x10=50

13. (a) Explain unix architecture with a neat diagram.   5+5
    (b) Explain df, du and ulimit commands.

14. (a) Explain different states of process.   5+5
    (b) Explain different blocks in file system.

15. (a) What is filter? Explain any four filter commands with an example. 5+5
    (b) Explain is command with different options.

16. (a) Write a note on awk programming.   5+5
    (b) Explain positional parameters with an example.

17. (a) Describe branching control structures in shell programming with 5+5
        example.
    (b) Explain types of shell variables with example.

18. (a) Explain nohup command.   5+5
    (b) Explain the following commands :
        (i) pwd
        (ii) mk dir
        (iii) cut
        (iv) cat
        (v) grep

19. (a) write a shell script to count the number of vowels in a given string. 5+5
    (b) Write a shell script to check whether a given number is palindrome
        or not.

20. (a) Describe tar command in Unix.   5+5
    (b) Explain disk related commands.

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