

2023

COMPUTER SCIENCE — HONOURS — PRACTICAL

Paper : CC-7P

(Operating Systems)

Full Marks : 30

SET-1

Marks Distributions

Source Code	: 15
Output	: 05
Viva voce	: 06
Laboratory Notebook	: 04
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	30

Answer *any one* question.

1. Write a shell script to print the prime numbers in a given range. The range is to be supplied as command line arguments.

2. Write a shell script to print the following pattern :

```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
```

3. Write a shell script which deletes all lines containing the word *college* from the file supplied as command line argument.

(2)

Z(3rd Sm.)-Computer Sc.-H/Pr./CC-7P/CBCS/Set-1

4. Write a shell script which prints the contents of a text file from line number m to line number n, m and n are supplied from command line argument.

 5. Write a shell script to display all the lines of a file, starting with a vowel. Provide the file name as the command line argument.

 6. Write a shell script that receives any number of filename as arguments and check if every argument supplied as a file or a directory and report accordingly. Whenever the arguments are in a file, the number of lines of it is also reported.

 7. Write a shell script that takes a name of a folder as a command line argument, and produce a file that contains the names of all sub folders with size 0 (that is empty sub folders).

 8. Write a shell script to simulate 'we' command.

 9. Write a shell script to perform bubble sort on an array of numbers. If 1 is given in command line argument, array will be sorted in ascending order and if 2 is given, array will be sorted in descending order.
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