2023

COMPUTER SCIENCE — HONOURS — PRACTICAL

Paper : CC-7P

(Operating Systems)

Full Marks : 30

SET-3

Marks Distributions

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

Answer *any one* question.

1. Write a shell script/shell program to print Fibonacci series. The range input is to be supplied as command line argument.

2. Write a shell script to find the second highest number from a list of numbers without using sorting.

3. Write a shell script to perform binary search on a set of data.

4. Write a shell script to prepare word frequency of a given text file.

5. 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 is a file, the number of lines on it is also reported.

6. Write a shell script that will take an input file and remove identical lines (or duplicate lines from the file).

7. Write a program that transfers data from one file to a new file excluding vowels.

8. Write a shell script to find the roots of a quadratic equation $ax^2 + bx + c = 0$, $a \neq 0$. Consider all the cases.

9. Write a shell script to perform selection sort on an array of numbers in descending order.

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