

2023

COMPUTER SCIENCE — HONOURS — PRACTICAL

Paper : CC-7P

(Operating Systems)

Full Marks : 30

SET-4

Marks Distributions

Source Code	: 15
Output	: 05
Viva voce	: 06
Laboratory Notebook	: 04
	<hr/>
	30

Answer *any one* question.

1. Write a shell script to perform the GCD of two integers.
2. Write a shell script to implement a calculator performing addition, subtraction, multiplication and division operations using menu driven concept. The choice of operation must be taken through command line argument.
3. Write a shell program to check whether the given number and its reverse are same. Take the input through command line argument.
4. Write a shell script to convert the file content from lower case to upper case or upper case to lower case using menu driven concept.

(2)

Z(3rd Sm.)-Computer Sc.-HI/Pr./CC-7P/CBCS/Set-4

5. Write a shell script to implement bubble sort method.

6. Write a shell script to draw the following pattern :

```
  *
 * *
* * *
* * * *
 * * *
  * *
   *
```

The number of rows must be provided during run time.

7. Write a shell script to print prime factors of a given number, supplied as command line argument.

8. Write a shell script that takes a word from the user and find out the frequency of the word in a given file.

9. Write a shell script to check whether a given word is a palindrome or not. The size of the word must be at least of 4 characters.
