

School: SCOPE

Semester: Fall Sem 2021-22

Subject: Problem Solving using Python

Subject Code: CSE1012

ASSIGNMENT-1**Marks (Weightage): 100****Submission Due Date: 1-Nov-2021**

[**Note:** Attempt all questions, where each answer should contain the following sections: a) Program statement b) Code c) Output screen shot]

Write Python codes for the following programs

1. Program to find ASCII value of any input character.
2. Reverse a Given Number Using While Loop
3. Find the Number Is Armstrong or Not Using While Loop
4. Calculate the Sum of Natural Numbers Using While Loop
5. Checking a Number Is Prime or Not
6. Print Multiplication Table Using for Loop
7. Display Fibonacci Series Using While Loop
8. Find GCD of Two Numbers Using for Loop
9. Find LCM of Two Numbers Using While Loop
10. Reverse a Number Using While Loop
11. Number Is a Palindrome or Not Using While Loop
12. Count Number of Digits of an Integer Using While Loop
13. Find a Generic Root of a Number Using While Loop
14. Print a Calendar Taking Input from User Using a Loop
15. Print Factors of a Number
16. Print the following Pattern

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

17. Print the following Pattern

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

18. Print the following Pattern

A

B B

C C C

D D D D

E E E E E

19. Print the following Pattern

* * * * *

* * * *

* * *

* *

*

20. Print the following Pattern

1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

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