**B.Sc (Honours) THIRD SEMESTER EXAMINATION, 2021**

**Subject: Computer Science Course Code : SH /CSC/ 305/ SEC-1**

**Course Title: Programming in Python (Practical) Course ID: 31525**

**Full Marks: 15 Time: 2Hrs**

Answer any one of the following questions

(15)

1. WAP to calculate total marks, percentage and grade of a student. Marks obtained in each of the three subjects are to be input by the user. Assign grades according to the following criteria

:

Grade A: Percentage >=80 Grade B: Percentage>=70 and

<80

Grade C: Percentage>=60 and <70

Grade D:

Percentage>=40 and <60 Grade

E: Percentage<40

1. Write a menu-driven program, using user-defined functions to find the area of rectangle, square, circle and triangle by accepting suitable input parameters from user.
2. WAP to display the first n terms of Fibonacci series.
3. WAP to find factorial of the given number.
4. WAP to find sum of the following series for n terms: 1 – 2/2! + 3/3! n/n!
5. WAP to calculate the sum and product of two compatible matrices.