B.A. Program 1st Semester Assignment
Maynaguri College, 2024
Basic Programming in Python
Skill Enhancement Course, SEC

Full Marks: 20

1. Write a program 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:
   a. Grade A: Percentage >=80
   b. Grade B: Percentage>=70 and <80
   c. Grade C: Percentage>=60 and <70
   d. Grade D: Percentage>=40 and <60
   e. Grade E: Percentage<40

2. Write a menu driven program to convert the given temperature from Fahrenheit to Celsius and vice versa depending upon users' choice.

3. 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.

4. Write a program to find sum of the following series for n terms:
   $1 - 2/2! + 3/3! - 4/4! + 5/5! - - - - - n/n!$