**IT 101 : Problem Solving and Computer Programming**  
Midterm Examination – Remote  
Max Time : 40 minutes, Max Marks : 20  
  
Date of Examination : February 09, 2022  
  
**Answer ANY TWO questions out of FOUR**  
Each question carries 10 marks  
   
***Note: If you answer more than two, ONLY THE FIRST TWO in sequence will be evaluated,***  
   
   
Q1 :  
   
Write a C program that reads a signed integer from the user and then to print it in reversed order. By using FOR loop only.  The program should also print if the given number is a positive/negative and even/odd number or zero. The expected output is as shown below:  
   
Enter an Integer            :           -12345  
The number is a Negative odd number  
The number in the reversed order is        :           -54321   
   
   
Q2 :  
   
   
It is desired to compute the sum of the following series consisting of 6 terms.  
 (Refer. to question paper. sent by email....for equation)  
  
  
Write a C program to compute Y for a given value of x which is of type ‘double’. The program should print the following using.  
·       The value of x  
·       The values of all the 6 individual terms  
·       The value of y  
   
   
Q3 :  
   
A user wants to find the area of the circle, area of the triangle and area of the rectangle according to the user’s input choice. Write a C program, using the SWITCH statement, to meet this requirement. Ensure to print proper input-output related messages in each case.