Class: XI Informatics Practices	Department: Computer Science	
Worksheet No: 5	Topic: Iterative Constructs in Python	Note: Practice the programs on your PC

Section A

1. Rewrite the following Python code after removing all syntax errors. Underline each correction done in the code.

   Num = int("Enter any Number : ")
   Sum = 0
   for I in range (10, Num, 3)
           Sum+=i
           if i%2==0:
                   print i*2
           Else:
                   print i*3

2. How many time(s) the following loop will executes?

   for J in range(101,125):
           if J % 7 == 0 :
                   print(J)

3. How many time(s) the following loop will executes?

   for x in range(-300, 300, 100):
           print(x, end=" ")

4. How many time(s) the following loop will executes?

   for A in [15, 30, 50, 100]:
           print(A," % ")

5. How many time(s) the following loop will executes?

   for K in range(10):
           print(K, end="@")
           print(K*2, end="\n")

6. Predict the output of the following code fragements:

i)   for K in range(11,15):

              print(K)

ii)   for J in range(10):

              print(J, end=" ")

iii)   for I in range(5, 20, 3):

              print(I, end=" \t")

iv)   for K in range(200, 100, -30):

              print(K, end="\n")

v)   for J in range(50, 100, 15):

              print(J*2, end="*")

          else:

              print("Loop Ends…")

Section B

7. Write a program to find factorial value of the given number.

8. Write a program to display the factors of a number.

9. Write a program to count the number of values divisible by 3 in the range 20-50.

10. Write a program to display the number of values divisible by 5 in the range 101-200.

11. Write a program to display all the values divisible by 8 in the range 200-50.

12. Write a Python program to find average of list of numbers entered through keyboard.

13. Write a Python program to sum the given sequences:

$1^2 + 3^2 + 5^2 + …….. + n^2$