INDIAN SCHOOL AL WADI AL KABIR

Class: XI Informatics Practices	Department: Computer Science	Date of submission:
Worksheet No: 4	Topic: Control Statement- Iterative Constructs	Note: Execute the programs on IDLE

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 execute?

   for x in range(-300, 300, 100):

           print(x, end=" ")

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

   for A in [15, 30, 50, 100]:

           print(A," % ")

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

   for K in range(10):

           print(K, end="@")

           print(K*2, end="\n")

5. Predict the output of the following code fragments:

   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…")

6. How many time(s) the following loop will execute?

    i) for J in range(101,125):

               if J % 7 == 0 :

                       print(J)

    ii) i=10

       while i <50:

               print("Hello")

               i=i+5

Section B

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

8. Write a program to print the multiplication table of any number given by a user.

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

10. Write a program to find the sum of even numbers and odd numbers from 100 to 500 using for loop.

11. Write a program to find the sum of digits of a number entered by user.

12. Write a program to reverse the digits of a number entered by user and display.

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

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

15. Write a program to display all the values divisible by 8 in the range 200-50 using while loop.

16. Write a program to check whether a number entered by user is palindrome or not.