**MODULE 5 LOOPS and Functions**

**Please implement Python coding for all the problems.**

1. A) list1=[1,5.5,(10+20j),’data science’].. Print default functions and parameters exists in list1.

B) How do we create a sequence of numbers in Python.

C) Read the input from keyboard and print a sequence of numbers up to that number

1. Create 2 lists.. one list contains 10 numbers (list1=[0,1,2,3....9]) and other

list contains words of those 10 numbers (list2=['zero','one','two',.... ,'nine']).

Create a dictionary such that list2 are keys and list 1 are values..

1. Consider a list1 [3,4,5,6,7,8]. Create a new list2 such that Add 10 to the even number and multiply with 5 if it is odd number in the list1..

4. Write a simple user defined function that greets a person in such a way that :

i) It should accept both name of person and message you want to deliver.

ii) If no message is provided, it should greet a default message ‘How are you’

Ex: Hello ---xxxx---, How are you -🡪 default message.

Ex: Hello ---xxxx---, --xx your message xx---