**Assignment- 1**

**Python**

1. Which of the following are immutable?

* String

2. Which of the following are True ?

* Tuples are immutable

3. Can we add an element into a list present inside a tuple?

* Yes

4. Dictionaries and sets can be sliced

* No

5. What will be the output of the following code?

a = 1,2,3,4

print('{}'.format(len(a)),end='\t')

print(bool(0))

* + 4 False

6. Can we convert a list to a tuple and a tuple to a list

-> Yes

7. type(“rahul”) == type(1) is

* False

8. Guess the output “Rahul”[::-1]

* ‘l’

9. “away”.\_\_getitem\_\_(0) will return

* ‘a’

10. my\_list=[1,2,3,4,5]

for item in my\_list:

print(item)

* 1

2

3

4

5

1. Write a function that takes takes two sequence and returns the sum of both the sequence ?

-> def myfunc(seq1,seq2):

add=sum(seq1,seq2)

return(add)

12. Create a lambda function that takes a string and returns True if the string contains vowels , otherwise return

d=lambda name1,name2:type(name1)==type(name2)

if d in (a,e,I,o,u):

return True

else:

return false

13. What is the output of the following code. Illustrate using a Flowchart.

l = ( [1,2,3] , [4,5,6] )

for items in l:

for item in items:

print(item\*item,end='\t')

1 4 9 16 25 36

14. Write a generic function that can take any number positional and keyword argument(s). Try to print their types?

def gen\_func(\*pos,\*\*kwargs):

return print(type(pos),type(kwargs))

15. me,you,\*important = “python”,’javascript”,100,200,300,”Somani”

What will be the value of

->Me=’python’

You=’javascript

Important=100,200,300,’somani’

Important[3]=200

Important[3][-1]=200,’somani’