

ATOMIC ENERGY CENTRAL SCHOOL , ANUPURAM
WORKSHEET-1 ,Module-1

Sub: Computer Science

Class : XII

Topic : PYTHON LIST

Date: _____

Name: _____

Roll No.: _____

Total Marks : 25

Marks Obtained: _____

SECTION A

Answer the following.

(7 X 1 = 7)

1. Name an ordered sequence whose value can be modified .
2. What is the length of the sequence X = [1, 2, [6, 7, 8], [3,9]]?
3. M = [10, 20, 30, 40, 50, 60]
M [: : 2] results ____.
4. M= [10, 20, 30, 40, 50, 60]
M [: 3] results ____.
5. L=[10,12,14,16,18,20,22,24]
S=L[3 : -3]
print(S) displays ____.
6. T=(5,10,15,20,25)
print(T[: : -2])
7. if a=[5,4,3,2,2,2,1] ,Evaluate a[a[a[2]+1]]]

SECTION B

Answer the following.

(9 X 2 = 18)

1. How many types of sequences are supported in Python?
2. What are mutable and immutable types in Python? List both of them.
3. What are list slices? Give examples.
4. Define list in Python.
5. What is nested list? Give an example.
6. How are lists different from other sequential data types?
7. What is the use of negative indexing in slicing?Give example.
8. Give the elements/slices of the following list .

num=[12,23,45,7,55,87,70]

- a) num[2]
- b) num[-5]
- c) num[2:4]
- d) num[2:5:3]
- e) num[:5]
- f) num[:: -2]
- g) num[-5: -2]
- h) num[5:2: -1]

9. Predict the output of the following Python code:

M=['p' , 'y' , 't' , 'h' , 'o' , 'n']

M[2:3]=[]

print(M)

M[2:5]= []

print(M)