| ATOMIC ENERGY CENTRAL SCHOOL , ANUPURAM |
| WORKSHEET-3 ,Module-3 |

Sub: Computer Science	**Class : XII**
Topic: PYTHON LIST	**Date: _____**
Name:_____	**Roll No.:_____**
Total Marks : 15	**Marks Obtained: _____**

1. **Choose the correct answer.**   (3 X 1 = 3)
    a. **Which method removes the element from the specified index and also returns the element which is removed?(1)**
       a.remove() b. delete()   c. pop()   d. clear()
    b. **Which method adds an item at the end of the list? (1)**
       a. insert()   b. append() c. extend()   d. add()
    c. **What is the length of the sequence X = [1, 2, [6, 7, 8], [3,9]]?**
          i. 6   b. 7   c. 4   d. 18

2. **L = [7,9,8,4]**   (2)
    Use appropriate list methods to solve the following.
       a. **Add 5 to the end of list.**
       b. **Add [1,2,3] to the end of list and reverse it.**
       c. **Remove element at index 0.**
       d. **Arrange all the items in decreasing order.**

3. **Predict the output**   (2)
    B=[[1,2] , [2,3] , [3,4]]
    X=B[:2]
    X . append(5)
    print(X)

4. **Differentiate functions insert(), append() and extend() of a list.**   (2)

5. **Write the most appropriate List methods to perform the following tasks:**   (2)
    (i) To remove elements in list slice.
    (ii) To add an item at the end of the list.
    (iii) To add multiple elements to a list.
    (iv) To remove the first occurrence of an element from the list.

6. **Evaluate each expression from the following.   (4)**
    List1= [1, 4, 3, 0]
    List2= ["x", 1, 5.6, "abc"]
    - (i)   List1.sort( )
    - (ii)   List2.extend(list1)
    - (iii)   List1.insert(0, 10)
    - (iv)   List2.remove (3)
    - (v)   List1.append(7)
    - (vi)   List1+List2
    - (vii)   List 1.pop()
    - (viii)   List2.extend ([4, 1, 6, 3])

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