

SECTION-6

Q2
Ans

append!- used for appending and adding elements to list. it is used to add elements to the last position of list.

Syntax!- list.append(element)

Adds list element as value of list.

List = ['Mathematics', 'Chemistry', 1997,

Insert at index 2 value 10087 2000]

List.insert(2, 10087)

Print(List)

Note!- Position mentioned should be within the range of list, as in this case between candy, elsewise would throw index error.

• Extend()!- Adds contents to list2 to the end of list1.

Syntax!- List.extend(List2)

List1 = [1, 2, 3]

List2 = [2, 3, 4, 5]

Add List2 to List1

List.extend(List2)

• sum()!- calculates sum of all the elements of list.

Syntax :- sum List

List = [1, 2, 3, 4, 5]

sum is calculated only for numeric values, elsewise throws TYPE Error.

See example.

List = ['gfg', 'abc', 3]

TypeError :- unsupported operand type(s) for +: 'int' and 'str'.

- Index() :- Return the index of first occurrence. start and end index are not necessary parameters.

Syntax :- List.index(element [, start, end])

List = [1, 2, 3, 4, 2, 1, 2, 3, 2, 1]

- all() :- calculates all of the element of List.

Syntax :- all(List)

List = [2, 3, 4.445, 3, 5.33, 1.057, 2.5]

Print (all(List))