**1.What is the output of this code?**

1. def foo(a, b=4, c=6):
2. print(a, b, c)
4. foo(20, c=12)

->20,4,12

**2.Given the following list:**

1. fruits = ["Strawberries", "Nectarines", "Apples", "Grapes", "Peaches", "Cherries", "Pears"]

**Write code which will give you "Apples"?**

**->print(fruits[2])**

**3.Given the code below:**

1. fruits = ["Strawberries", "Nectarines", "Apples", "Grapes", "Peaches", "Cherries", "Pears"]
2. fruits[-1] = "Melons"
3. fruits.append("Lemons")
4. print(fruits)

**What do you think will be printed?**

->fruits = ["Strawberries", "Nectarines", "Apples", "Grapes", "Peaches", "Cherries", "Melons",”Lemons”]

**4.Write a line of code will change the starting\_dictionary to the final\_dictionary?**

1. starting\_dictionary = {
2. "a": 9,
3. "b": 8,
4. }
5. final\_dictionary = {
6. "a": 9,
7. "b": 8,
8. "c": 7,
9. }

-> starting\_dictionary = final\_dictionary.copy()

print(starting\_dictionary)

**5.Which line of code will print "Steak"?**

1. order = {
2. "starter": {1: "Salad", 2: "Soup"},
3. "main": {1: ["Burger", "Fries"], 2: ["Steak"]},
4. "dessert": {1: ["Ice Cream"], 2: []},
5. }

->print(order[“main”][2][0])

6.Without running the code below, what do you think will be printed in the console?

1. def add(n1, n2):
2. return n1 + n2
3. def subtract(n1, n2):
4. return n1 - n2
5. def multiply(n1, n2):
6. return n1 \* n2
8. def divide(n1, n2):
9. return n1 / n2
10. print(add(2, multiply(5, divide(8, 4))))

->12

7. What would you predict to be the result of running the following code?

1. def outer\_function(a, b):
2. def inner\_function(c, d):
3. return c + d
4. return inner\_function(a, b)
6. result = outer\_function(5, 10)
7. print(result)

->15

8. Select the correct ways to get the value of marks key.

student = {

"name": "Emma",

"class": 9,

"marks": 75

}

->Print(student.get(“marks”))

9. write correct way to **remove** the key **marks** from a dictionary

student = {

"name": "Emma",

"class": 9,

"marks": 75

}

->print(student.pop(“marks”))

10.Suppoes you have dict1 and dict2,write way to copy a dictionary in Python

-> d1={}

d2=d1.copy()

print(d1)

11.Find the output of the code given below?

 lst = [int(x\*x) for x in range(3,12,4)]

 print(lst[-2])

->49

**12.Find the output of the code given below?**

lst= [ int(x/3) for x in range(5,35) if x % 2 == 0 and x%5 == 0]

print(lst[-1]+5)

->15

13.What would be the output of the following code snippet?

Func1=lambda x: ((x + 3) \* 5 / 2)

Func1(3)

->15