St. Mary's School, Dwarka
Holiday Homework
Std. XII
Subject: Computer Science
Week 1
Worksheet 1

Topic : Functions

Q What will be the output of the following :   **2*10 =20**

1. What is the output of the below program?   2
```
def sayHello():
    print('Hello World!')
 sayHello()
 sayHello()
```

a) Hello World!
Hello World!
b) 'Hello World!'
'Hello World!'
c) Hello
Hello
d) None of the mentioned

2. What is the output of the below program?   2
```
def printMax(a, b):
   if a > b:
      print(a, 'is maximum')
   elif a == b:
       print(a, 'is equal to', b)
 print(b, 'is maximum')
printMax(3, 4)
```

a) 3
b) 4
c) 4 is maximum
d) None of the mentioned

3. What is the output of the below program ?   2
```
x = 50
def func(x):
   print('x is', x)
   x = 2
   print('Changed local x to', x)
func(x)
print('x is now', x)
```

a) x is now 50
b) x is now 2
c) x is now 100
d) None of the mentioned

4. What is the output of the below program?   2
```
x = 50
def func():
    global x
    print('x is', x)
     x = 2
    print('Changed global x to', x)
func()
print('Value of x is', x)
```

a) x is 50
Changed global x to 2
Value of x is 50
b) x is 50
Changed global x to 2
Value of x is 2
c) x is 50
Changed global x to 50
Value of x is 50
d) None of the mentioned

5. What is the output of below program?   2
```
def say(message, times = 1):
     print(message * times)
say('Hello')
say('World', 5)
```

a) Hello
WorldWorldWorldWorldWorld
b) Hello
World 5
c) Hello
World,World,World,World,World
d) Hello
HelloHelloHelloHelloHello

6. What is the output of the below program?   2
```
def func(a, b=5, c=10):
     print('a is', a, 'and b is', b, 'and c is', c)
func(3, 7)
func(25, c = 24)
func(c = 50, a = 100)
```

a) a is 7 and b is 3 and c is 10
a is 25 and b is 5 and c is 24
a is 5 and b is 100 and c is 50
b) a is 3 and b is 7 and c is 10
a is 5 and b is 25 and c is 24
a is 50 and b is 100 and c is 5
c) a is 3 and b is 7 and c is 10

a is 25 and b is 5 and c is 24
a is 100 and b is 5 and c is 50
d) None of the mentioned

7. What is the output of below program? 2

```
def maximum(x, y):
    if x > y:

return x
    elif x == y:
        return 'The numbers are equal'
    else:
         return y
print(maximum(2, 3))
```

a) 2
b) 3
c) The numbers are equal
d) None of the mentioned

8. What is the output of below program? 2

```
def cube(x):
    return x * x * x
x = cube(3)
print x
```

a) 9
b) 3
c) 27
d) 30

9. What is the output of the below program? 2

```
def C2F(c):
    return c * 9/5 + 32
print C2F(100)
print C2F(0)
```

a) 212
32
b) 314
24
c) 567
98
d) None of the mentioned

10. What is the output of the below program? 2

```
def power(x, y=2):
    r = 1
    for i in range(y):
        r = r * x
    return r
print power(3)
print power(3, 3)
```

a) 6
15
b) 6
100
c) 123
12345
d) None of the mentioned