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Started on	Friday, 17 September 2021, 3:00 PM
State	Finished
Completed on	Friday, 17 September 2021, 3:27 PM
Time taken	27 mins 16 secs
Grade	**10.00** out of 10.00 (**100**%)

Question **1**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Python code segment?

```
def f(x,l):
    for i in range(x):
        l.append(i*i)
    print(l)
f(3,[3,2])
```

Answer: [3, 2, 0, 1, 4]   ✔

The correct answer is: [3, 2, 0, 1, 4]

Question **2**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Python code segment?

```
def makeWord( c1 = "m", *c2 ):
    c = c1
    for a in c2:
        c += a
    return c
print (makeWord("k","i","n","d"))
```

Answer: kind   ✔

The correct answer is: kind

Question **3**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Python function?

```
def findList( inputList ):
  return [i for i in inputList if i%2 == 1]
```

Select one:

- a.   Return the number or two numbers in the middle of the input list.
- b.   Return a list of all the numbers in the input list, sorted in ascending order.
- ● c.   Return a list of all the odd numbers in the input list.   ✔
- d.   Return a list of all the even numbers in the input list.

Your answer is correct.

The correct answer is: Return a list of all the odd numbers in the input list.

Question **4**

Correct

Mark 1.00 out of 1.00

Out of the four control structures used in programs, a Python function is a:

Select one:

- a.   selection
- ● b.   subprogram   ✔
- c.   sequence
- d.   repetition

Your answer is correct.

The correct answer is: subprogram

Question **5**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Python code segment?

```
def myFunc( x ):
        x += 30
        return x
x = 20
myFunc(x)
print (x)
```

Answer: 20 ✔

The correct answer is: 20

Question **6**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Python code segment?

```
d = "M"
def add( arg2 , arg1 = "U" ):
    global d
    d += arg2 + arg1
    return
add("o")
print (d)
```

Answer: MoU ✔

The correct answer is: MoU

Question **7**

Correct

Mark 1.00 out of 1.00

Consider the following Python code of 4 lines, with line numbers (not part of the code) shown on the left. The objective is to write a string onto the file.

```
1 f = open('Out.txt', 'w')
```

```
2 f.write("this is the string")
```

```
3 ..........
```

```
4 print('Done...')
```

What should fill the blank at line 3 to make the code complete?

Select one:

- a.   f.close('Out.txt', 'w')

- b.   f.close()   ✔

- c.   close(f)

- d.   close('Out.txt', 'w')

Your answer is correct.

The correct answer is: f.close()

Question **8**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Python code segment?

```
def printname( fn = "L", sn = "D", ln = "Shanaka" ):
    ln = "Mathews"
    print (fn,sn,ln)
    return
printname("A")
```

Answer: | A D Mathews | ✔

The correct answer is: A D Mathews

Question **9**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Python code segment?

```
def printinfo(arg1,*vartuple):
  total = 0;
  for var in vartuple:
    total += var
  print (total)
  return
printinfo(70,60,50,40,30,20)
```

Answer: 200 ✔

The correct answer is: 200

Question **10**

Correct

Mark 1.00 out of 1.00

Consider the following Python function.

```
def PerformTask(S):
    L = [];
    for i in range(0, len(S)):
        if S[i] == "(":
            L.append(S[i])
        elif S[i] == ")" and len(L)>0:
            L.pop()
        else:
            return False
    return True
```

Which of the following input parameter will result in a return value of "True" in the above?

Select one:

  a. (()))

  b. (())()   ✔

  c. (()))(()

  d. None of the above

Your answer is correct.

The correct answer is: (())()

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