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Marks 11.00/15.00

Grade 73.33 out of 100.00

Question 1 | Complete Mark 1.00 out of 1.00

Which of the following Python code will create a set?

(i) `set1=set((0,9,0))`

(ii) `set1=set([0,2,9])`

(iii) `set1={}`

- ☐ a. All of the above
- ☐ b. iii
- ☐ c. ii
- ☒ d. i,ii

Your answer is correct.

The correct answer is:

i,ii

Question 2 | Complete Mark 1.00 out of 1.00

What will be the output of following Python code?

```
list1=[1,3,4,2]

x=list1.pop(2)

print(set([x]))
```

- ☐ a. {2}
- ☒ b. {4}
- ☐ c. {1,3,2}
- ☐ d. {1,3,4}

Your answer is correct.

The correct answer is:

{4}

Question 3 | Complete Mark 1.00 out of 1.00

Which of the following options will not result in an error when performed on tuples in Python where tupl=(5,2,7,0,3)?

- ☒ a. tupl1=tupl+tupl
- ☐ b. tupl.sort()
- ☐ c. tupl[1]=2
- ☐ d. tupl.append(2)

Your answer is correct.

The correct answer is:

tupl1=tupl+tupl

Question 4 | Complete Mark 1.00 out of 1.00

What will be the output of following Python code?

```
set1={0,0,9}

print(set1)
```

- ☐ a. {0,0,9}
- ☐ b. It will throw an error as there are two 0 while creating the set.
- ☒ c. {0,9}
- ☐ d. {9}

Your answer is correct.

The correct answer is:

{0,9}

Question 5 | Complete Mark 1.00 out of 1.00

What is the output of the given below program?

```
t = (58, 47, 36, 25, 14, 3)

x = t[2:-1]

print(x)
```

- ☒ a. (36, 25, 14)
- ☐ b. (58,47,36,25)
- ☐ c. Error
- ☐ d. (3,14,25)

Your answer is correct.

The correct answer is:

(36, 25, 14)

Question 6 | Complete Mark 0.00 out of 1.00

What will be the output of below Python code?

```
tup1=("python","programming","Computer")  
print(tup1[-3:0])
```

- ☐ a. (Computer)
- ☒ b. Error
- ☐ c. ()
- ☐ d. Computer

Your answer is incorrect.

The correct answer is:

()

Question 7 | Complete Mark 0.00 out of 1.00

Select all the correct options to remove "ECE" from the set.

```
sampleSet = {"ECE", "R&A", "MCT"}
```

- ☒ a. sampleSet.delete("ECE")
- ☐ b. del.sampleSet("ECE")
- ☐ c. sampleSet.discard("ECE")
- ☐ d. remove.sampleSet("ECE")

Your answer is incorrect.

The correct answer is:

sampleSet.discard("ECE")

Question 8 | Complete Mark 1.00 out of 1.00

What is the output of the following set operation

```
sampleSet = {"Yellow", "Orange", "Black"}
sampleSet.update(["Blue", "Green", "Red"])
print(sampleSet)
```

- ☐ a. TypeError: update() doesn't allow list as a argument.
- ☐ b. {'Yellow', 'Orange', 'Black', ['Blue', 'Green', 'Red']}
- ☒ c. {'Yellow', 'Orange', 'Red', 'Black', 'Green', 'Blue'}
- ☐ d. Name Error

Your answer is correct.

The correct answer is:

{'Yellow', 'Orange', 'Red', 'Black', 'Green', 'Blue'}

Question 9 | Complete Mark 0.00 out of 1.00

What will set1 | set2 do?

```
If set1={"a","b",3}
set2={3,7}
```

- ☒ a. A new set will be created with the unique elements of set1 and set2.
- ☐ b. Elements of set2 will get appended to set1
- ☐ c. A new set will be created with the elements of both set1 and set2
- ☐ d. Elements of set1 will get appended to set2

Your answer is incorrect.

The correct answer is:

A new set will be created with the elements of both set1 and set2

Question 10 | Complete Mark 1.00 out of 1.00

What is the output of the following

```
set1 = {1, 2, 3, 4, 5}
set2 = {6, 7, 1, 3, 4, 8, 2, 5}

print(set1.issubset(set2))
print(set2.issuperset(set1))
```

- ☐ a. False
True
- ☐ b. False
False
- ☐ c. True
False
- ☒ d. True
True

Your answer is correct.

The correct answer is:

True
True

Question 11 | Complete Mark 1.00 out of 1.00

Find the output of the given Python program?

```
>>>t = (1, 2, 4, 3, 8, 9)
>>>[t[i] for i in range(0, len(t), 2)]
```

- ☐ a. [2, 3, 9]
- ☐ b. (1, 4, 8)
- ☒ c. [1, 4, 8]
- ☐ d. [1, 2, 4, 3, 8, 9]

Your answer is correct.

The correct answer is:

[1, 4, 8]

Question 12 | Complete Mark 1.00 out of 1.00

What will be the output of following Python code?

```
set1={2,5,3}

set2={3,1}

set3={}

set3=set1&set2

print(set3)
```

- ☐ a. {2,5,1}
- ☐ b. {}
- ☐ c. {2,5,3,1}
- ☒ d. {3}

Your answer is correct.

The correct answer is:

{3}

Question 13 | Complete Mark 0.00 out of 1.00

What is the output of the following code

```
aSet = {1, 'rec', ('cse', 'ece'), True}
print(aSet)
```

- ☐ a. Error
- ☐ b. {'rec', 1, ('cse', 'ece')}
- ☐ c.
{'rec', True, ('cse', 'ece')}
- ☒ d. {'rec', 1, ('cse', 'ece'), True}

Your answer is incorrect.

The correct answer is:

{'rec', 1, ('cse', 'ece')}

Question 14 | Complete Mark 1.00 out of 1.00

Select which is true for Python tuple?

- ☐ a. None of these
- ☒ b. A tuple maintains the order of items
- ☐ c. We can change the tuple once created
- ☐ d. A tuple is unordered

Your answer is correct.

The correct answer is: A tuple maintains the order of items

Question 15 | Complete Mark 1.00 out of 1.00

Which of the following options will produce the same output?

```
t = (15, 83, 21, 49, 60,45,52,85,100)
# options i, ii, iii, or iv
print(t[:-1])
print(t[0:5])
print(t[0:8])
print(t[-7:])
```

- ☒ a. i,iii
- ☐ b. i,ii
- ☐ c. ii,iv
- ☐ d. iii,iv

Your answer is correct.

The correct answer is:

i,iii