Started on	Monday, 23 August 2021, 7:59 PM
State	Finished
Completed on	Wednesday, 25 August 2021, 7:18 PM
Time taken	1 day 23 hours
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, if the input is '111' ?

```
x = int(input('Enter x: '))
if (x > 100):
    k = x * 2
    if (x >= 200):
        k = k * 3
    elif (k < 300):
        k = k * 4
    else:
        k = k * 5
else:
    k = x * 3
print(k)
```

Select one:

- a. 333
- b. 888 ✔
- c. 666
- d. 1110

Your answer is correct.

The correct answer is: 888

Question **2**

Correct

Mark 1.00 out of 1.00

Consider the following Python code of 6 lines, with line numbers (not part of the code) shown on the left.

```
1   a = 10
2   b = 20
3   c = 30
4   T = ("A","B","C")
5   (a,b,c) = (b,c,a)
6   T[1] = "b"
```

Which of the following statement is correct regarding the above code?

Select one:

   a.   Execution of line number 5 will generate an error

   b.   Execution of line number 6 will generate an error   ✔

   c.   After execution of the above code, values of a, b, and c will be 10, 20 and 30, respectively

   d.   After execution of the above code value of T will be ('A', 'b', 'C')

Your answer is correct.

The correct answer is: Execution of line number 6 will generate an error

Question **3**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Python code, if the input is 100?

```
x =int(input('Enter x: '))
if (x >= 100):
    k = x / 2
    if (x >= 200):
        k = k * 3
    elif (k < 300):
        k = k * 4
    else:
        k = k * 5
else:
    k = x * 3
print(int(k))
```

Select one:

   a.   200   ✔

   b.   250

   c.   300

   d.   150

Your answer is correct.

The correct answer is: 200

Question **4**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Python code, if the input is 101?

```
x = int(input('Enter x: '))
if x > 100:
    k = x * 2
    if x >= 200:
        k = k * 3
    elif k < 300:
        k = k * 4
    else:
        k = k * 5
else:
    k = x * 3
print (k)
```

Select one:

- a.   k = 303
- b.   k = 808   ✔
- c.   k = 606
- d.   k = 1010

Your answer is correct.

The correct answer is: k = 808

Question **5**

Correct

Mark 1.00 out of 1.00

Consider the following Python code.

m = int(input('Enter an integer: '))

if (m < 1000):

p = 2000 / m

print('p=' , p)

Which of the following is/are correct about the code above?

I. The code does not have any syntax errors.

II. One type of exception could occur at run-time.

III. More than one type of exception could occur at run-time.

Select one:

- a.   I only
- b.   II only
- ◉ c.   III only   ✔
- d.   I and II only
- e.   I and III only

Your answer is correct.

The correct answer is: III only

Question **6**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Python code?

x = "asdqwemnb"

y =['asd','qwe','mnb']

z = 'm'

print(z in y and z in x)

Answer: | False | ✔

The correct answer is: false

Question **7**

Correct

Mark 1.00 out of 1.00

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

mark = 55

if mark <= 39: grade = 'D'

elif mark < 55 : grade = 'C'

elif mark < 70 : grade = 'B'

else: grade = 'A'

print (grade)

Answer: B   ✔

The correct answer is: B

Question **8**

Correct

Mark 1.00 out of 1.00

Is the number data type immutable in Python? [Yes/No]

Answer: Yes   ✔

The correct answer is: Yes

Question **9**

Correct

Mark 1.00 out of 1.00

Consider the following Python code.

a = b = 8

c, d = 8, 8

Which of the following is correct about the code above?

Select one:

○ a.   1 integer object is created   ✔

○ b.   2 integer objects are created

○ c.   More than 2 integer objects are created

○ d.   None of the above

Your answer is correct.

The correct answer is: 1 integer object is created

Question **10**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Python code, if the input is 'c'? Note that the Python built-in function ord() returns the value of the character argument. For example, ord('a') returns the integer 97.

```
c = input('Enter a character: ')
if (c in "abcdefghhij"):
    k = ord(c)
    if (k >= 100):
        k = k * 3
    elif (k < 200):
        k = k * 4
    else:
        k = k * 5
else:
    k = (ord(c)-ord('a'))* 100
print (k)
```

Select one:

   a.   495

   b.   297

   c.   396   ✔

   d.   200

Your answer is correct.

The correct answer is: 396

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