Name ..... No. Class m.6/5

Test I: Multiple Choice - Python (10 points)

1. What is Python?
   A) A type of snake
   B) A high-level programming language*
   C) A popular type of coffee
   D) A type of programming puzzle
2. All keywords in Python are in _____
   A) Capitalized
   B) Lower case
   C) Upper Case
   D) None of the mentioned
3. Which of the following character is used to give single-line comments in Python?
   A) // B) #
   C) ! D) /*
4. Which of the following is the correct way to print "Hello, World!" in Python?
   A) print("Hello, World!")
   B) echo "Hello, World!"
   C System.out.print("Hello, World!")
   D) console.log("Hello, World!")
5. What is the output of "Python".lower()?
   A) PYTHON B) python
   C) PythoN D) Error
6. Which operator is used for exponentiation?
   A) ^ B) *
   C) ! D) **
7. What is the output of 5 // 2?
   A) 2.5 B) 2.0
   C) 2 D) 3
8. Which of the following data types used for decimal number in Python?
   A) string B) bool
   C) int D) float
9. Which of the following data types used for characters in Python?
   A) string B) char
   C) double D) float
10. What is the purpose of the input() function in Python?

    A) To display text on the screen
    B) To perform mathematical calculations
    C) To get user input from the keyboard
    D) To create a random number

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Test II: Fill in the blanks

Code	Data type of Variable
`print (type("Redhill"))`	
`print (type("Fred"))`	
`print (type(198))`	
`print (type(88.9))`	
`print (type(False))` `print (type(True))`	

Operators in Words	*Operators in Symbols*
A is greater than B	
A is less than B	
A is equal to B	
A is greater than or equal to B	
A is not equal to B	

Test III: Program output (2 pts each)

1.
```
i = 1:
while True:
    if i%3 == 0:
        break
    print(i)
```
Which of the following is the correct output of this program?

A) 1 2 3

B) 3 2 1

C) 1 2

D) Invalid syntax

2.
```
a = 1
while True:
    if a % 7 = = 0:
        break
    print(a)
    a += 1
```
Which of the following is correct output of this program?

A) 1 2 3 4 5

B) 1 2 3 4 5 6

C) 1 2 3 4 5 6 7

D) Invalid syntax

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3.
```
i = 0
while i < 5:
        print(i)
        i += 1
if i == 3:
        break
else:
        print(0)
```

What will be the output of this statement?

A) 1 2 3

B) 0 1 2 3

C) 0 1 2

D) 3 2 1

4.
```
x = 1
while True:
        if x % 5 = = 0:
          break
   print(x)
   x + = 1
```

What will be the output of this statement?

A) error

B) 2 1

C) 0 3 1

D) None of these

5.
```
i = 0
while i < 3:
        print(i)
        i += 1
else:
        print(0)
```

What will be the output of this statement?

A) 0 1

B) 0 1 2

C) 0 1 2 0

D) 0 1 2 3

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Test IV: Write the output by each statement (5pts each)

1. number = 1

```
while number <= 10:
    if number == 7:
        print("Found the number 7. Breaking out of the loop.")
            break
   print(number)
   number += 1
```

2. num = 2

```
while num <= 20:
    print(num)
    num += 2
```

3. n = 7

```
i = 1
while i <= 10:
    mul = i*n
    i = i + 1
    print(mul)
```

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