

Introduction to Computer Programming – 2017

Syntax Test - Group B

NAME:

COURSE:

PERSONAL TUTOR:

STUDENT ID:

The time allowed for this test is 30 minutes.

When you are instructed to do so, open the paper and begin. Your answers should be written on the paper as indicated for each question. No other working may be submitted.

The paper contains 10 questions and they should all be attempted. The questions have approximately equal weighting and to pass, you will need complete and accurate answers to most of the questions.

1. Predict the value of B (be precise).

```
A = "10"  
B = 5  
B = A  
A = 1
```

Answer

2. Predict the types.

```
A = "I Love "+"Robots"
```

Answer

```
A = 1.0+2.0
```

Answer

```
A = "5/2"
```

Answer

3. Predict the value of C.

```
A = "Happy "  
B = "Days"  
C = (A+B).find('s')
```

Answer

4. Predict the value of B.

```
A = (5,4,10,10)  
B = isinstance(A,tuple)
```

Answer

5. Circle the 3 errors and explain in a couple of words how each breaks Python's syntax rules.

```
Ask the user to pick a letter
n = input(Pick a number)

#Print the number
if n < 10:
    print ("Smaller")
else:
    print ("Larger")
```

6. What does the program print?

```
Fact = 3
Mult = 2
for Num in range(Fact):
    Mult = Mult +Num**2

if Mult <= 10:
    print(str(Mult*Fact))
else:
    print(Mult)
```

Answer

7. Predict the value of B.

```
A = [[5,6],[1,2],[3,4]]
B = A[1][-1]
```

Answer

8. Predict the value of B.

```
A = [[1],[2],[3],[4]]  
B = len(A)
```

Answer

9. Circle the 3 errors.

```
# Define my own class  
class MyClass():  
    def __init__(num):  
        self.num = num  
  
        def print(self):  
            print(self.num)  
  
A = MyClass()  
A.print(5)
```

10. Predict the value of A.

```
A = [0,2,3,5]  
A.append(5)  
A[0]=1
```

Answer