

BE5B33PRG PROGRAMMING ESSENTIALS

NAME:		TEST SCORE:	
USERNAME:			
DATE:			
YEAR / GROUP:			

INSTRUCTIONS

This multiple-choice test consists of questions with **4 choices** offered: **A, B, C, and D**. In order to score **1 point** for correct answer for each question, **all correct choices** have to be clearly marked. There can be **multiple correct answers** offered as well as **none** of the choices may be a correct answer. Total score for this exam equals the number of correctly answered questions.

Test

Question 1

Which statements are true about Python?

- | | |
|----------|---|
| A | Stack frames are not destroyed when the function / method returns |
| B | Mechanism to clean up the dead objects is Garbage collector |
| C | Everything in Python is an object |
| D | Python is dynamically typed language |

Question 2

Which statements are true about Python lists?

- | | |
|----------|-----------------------------|
| A | Python lists are mutable |
| B | Python lists are immutable |
| C | We can change list items |
| D | We cannot change list items |

Question 3

What is the output of the following?
number = 11
print(numbr)

- | | |
|----------|-------------|
| A | 11 |
| B | SyntaxError |
| C | NameError |
| D | ValueError |

Question 4

Which of the following will raise Syntax Error?

- | | |
|----------|-------------------------|
| A | my_total_money\$ = 150 |
| B | my_father's_money = 150 |
| C | global = 150 |
| D | my-total-money = 150 |

Question 5

Which expressions return True as result?

A `2 ** 3 ** 2 == (2 ** 3) ** 2`

B `2 ** 3 ** 2 < (2 ** 3) ** 2`

C `2 ** 3 ** 2 > (2 ** 3) ** 2`

D `2 ** 3 ** 2 != (2 ** 3) ** 2`

Question 6

Which of the following operators has its associativity from right to left?

A `+`

B `//`

C `%`

D `**`

Question 7

What is the result of the following?
for n in range(5):
... n += 2
...
print(n)

A 20

B 27

C 7

D 6

Question 8

What is the result of the following?
n = 1
for i in range(5):
... n += 2
...
print(n)

A 3

B 25

C 11

D 9

Question 9

How many times will the break statement be executed?

```
for n in range(2, 10):  
...   for x in range(2, n):  
...     if n % x == 0:  
...       print(n, 'equals', x, '*', n // x)  
...       break
```

A 4

B 8

C 2

D 0

Question 10

What will be the output of the last print statement executed?

```
for n in range(2, 10):  
...   for x in range(2, n):  
...     if n % x == 0:  
...       print(n, 'equals', x, '*', n // x)  
...       break
```

A 4 equals 2 * 2

B 6 equals 2 * 3

C 8 equals 2 * 4

D 9 equals 3 * 3

Question 11

What is the output of the following?

```
x = [1, 2, 3]  
y = x  
y += [3, 2, 1]  
print(x, y)
```

A [1, 2, 3] [1, 2, 3, 3, 2, 1]

B [1, 2, 3, 3, 2, 1] [3, 2, 1]

C [1, 2, 3, 3, 2, 1] [1, 2, 3, 3, 2, 1]

D [1, 2, 3, 3, 2, 1] [3, 2, 1]

Question 12

```
What will be the output?  
d = {"john":40, "peter":45}  
print(list(d.keys()))
```

- | | |
|----------|-------------------------|
| A | ["john", "peter"] |
| B | ["john":40, "peter":45] |
| C | ("john", "peter") |
| D | ("john":40, "peter":45) |

Question 13

```
What is the output of the following?  
def f1():  
    x=15  
    print(x)  
x=12  
f1()
```

- | | |
|----------|------|
| A | 1215 |
| B | 1512 |
| C | 12 |
| D | 15 |

Question 14

```
What is the output of the following code?  
class test:  
    def __init__(self, a="Hello World"):  
        self.a=a  
  
    def display(self):  
        print(self.a)  
obj=test()  
obj.display()
```

- | | |
|----------|---|
| A | The program has an error because constructor can't have default arguments |
| B | "Hello World" is displayed |
| C | The content of default value of variable a |
| D | Error |