

Name: _____

[{"P": "Y"}, "TH", ["O", "N"], ("TE", "ST")]

1. What is the output of the following?

```
x = ['ab', 'cd']
for i in x:
    i.upper()
print(x)
```

Answer: _____

2. What is the output of the code shown below?

```
if (9 < 0) and (0 < -9):
    print("hello")
elif (9 > 0) or False:
    print("good")
else:
    print("bad")
```

Answer: _____

3. Which of the following Boolean expressions is not logically equivalent to the other three?

- a) not(-6<0 or -6>10)
- b) -6>=0 and -6<=10
- c) not(-6<10 or -6==10)
- d) not(-6>10 or -6==10)

Answer: _____

4. The output of the line of code shown below is:

```
not(10<20) and not(10>30)
```

Answer: _____

5. What is the output of the following?

```
i = 1
while True:
    if i%3 == 0:
        break
    print(i)

    i += 1
```

Answer: _____

6. What is the output of the following?

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

Answer: _____

7. What is the output of the following?

```
x = "abcdef"
while i in x:
    print(i, end=" ")
```

Answer:_____

8. What is the output of the following?

```
x = "abcdef"
i = "a"
while i in x:
    x = x[:-1]
    print(i, end = " ")
```

Answer:_____

9. What is the output when following statement is executed ?

1. `>>>"abcd"[2:]`

Answer:_____

10. What is the output when following code is executed ?

```
1. >>> str1 = 'hello'
2. >>> str2 = ','
3. >>> str3 = 'world'
4. >>> str1[-1:]
```

Answer:_____

11. What is the output when following code is executed ?

```
1. >>>str1="helloworld"
2. >>>str1[::-1]
```

12. Suppose list1 is [1, 5, 9], what is sum(list1) ?

Answer:_____

13. Suppose listExample is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after listExample.pop(1) ?

Answer:_____

14. What is the output when following code is executed ?

```
1. myList = [1, 5, 5, 5, 5, 1]
2. max = myList[0]
3. indexOfMax = 0
4. for i in range(1, len(myList)):
5.     if myList[i] > max:
6.         max = myList[i]
7.         indexOfMax = i
8.
```

9. `>>>print(indexOfMax)`

Answer:_____

15. What is the output when following code is executed ?

```
1. myList = [1, 2, 3, 4, 5, 6]
2. for i in range(1, 6):
3.     myList[i - 1] = myList[i]
4.
5. for i in range(0, 6):
6.     print(myList[i], end = " ")
```