

## CSE 307/CSE 526 - Quiz 1 25 Points (20 Sep. 18)

Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

1. What is the output for print(x)?

```
x = ["a"]  
for s in x:  
    x.append(s.upper())
```

Mark only one oval.

- ☐ ["a"]
- ☐ ["A"]
- ☐ ["a", "A"]
- ☐ None of the Above

2. What is the output of  $2 * 3 ** 2$

Mark only one oval.

- ☐ 36
- ☐ 18
- ☐ 16
- ☐ 12

3. In python we do not specify types, it is directly interpreted by the compiler, so consider the following operation to be performed. Which is valid?

```
>>> x = 7  
>>> y = "9"  
>>> z = x ? y
```

Mark only one oval.

- ☐  $z = x + y$
- ☐  $z = x / y$
- ☐  $z = x * y$
- ☐ None of above

4. Which of the following function convert an integer to a character in python?

Mark only one oval.

- ☐ set(x)
- ☐ dict(d)
- ☐ ord(x)
- ☐ chr(x)

5. `L = [1, 23, ?, 1]`. `L` is a list. Consider the following items, which is valid?

Mark only one oval.

- ☐ `L = [1, 23, 2, 1]`
- ☐ `L = [1, 23, 'a', 1]`
- ☐ `L = [1, 23, [1, 23, 1], 1]`
- ☐ All of above

6. Which of the following results in a `SyntaxError` (Multiple answers possible)?

Check all that apply.

- ☐ `print("Once upon a time...", she said.)`
- ☐ `print('3')`
- ☐ `print ("That's okay")`
- ☐ `print("He said, "Yes!")`

7. Which of the following will run without errors (multiple answers possible)?

Check all that apply.

- ☐ `round(45.8)`
- ☐ `round(6352.894,2)`
- ☐ `round()`
- ☐ `round(7463.123,2,1)`

8. What is the output of `print list[2:]` if `list = [ 'abcd', 786 , 2.23, 'john', 70.2 ]`?

Mark only one oval.

- ☐ `[ 'abcd', 786 , 2.23, 'john', 70.2 ]`
- ☐ `abcd`
- ☐ `[786, 2.23]`
- ☐ `[2.23, 'john', 70.2]`

9. What is the output for `print(x)`?

```
x = [y ** 2 for y in range(3)]
```

Mark only one oval.

- ☐ `[0, 2, 4, 6]`
- ☐ `[0, 1, 4, 9]`
- ☐ `[0, 2, 4]`
- ☐ `[0, 1, 4]`

**10. Which of the following is not a flowchart structure?***Mark only one oval.*

- ☐ Sequence
- ☐ Decision
- ☐ Loop
- ☐ Case

**11. What is the output for print(x)?**

```
x = ['aB', 'cD']  
for s in x:  
    s.lower()
```

*Mark only one oval.*

- ☐ ['aB', 'cD']
- ☐ ['ab', 'cd']
- ☐ ['AB', 'CD']
- ☐ None of the above.

**12. L = [1, 23, ?, 1]. L is a list. Consider the following items. Which is valid?***Mark only one oval.*

- ☐ L = [1, 23, 2, 1]
- ☐ L = [1, 23, 'a', 1]
- ☐ L = [1, 23, [1, 23, 1], 1]
- ☐ All of the above
- ☐ Other: \_\_\_\_\_

**13. Given a function that does not return any value, What value is thrown by default when executed in shell.***Mark only one oval.*

- ☐ int
- ☐ bool
- ☐ void
- ☐ None

14. The output should be:

```
def main():  
    x = "abc" # x represents an int value  
    y = ['a', 'b', 'c'] # y represents a list  
    edit(x, y)  
    print(x + " " + y[1])  
def edit(input0, input1):  
    input0 = "def"  
    input1[1] = 'z'  
main()
```

Mark only one oval.

- ☐ abc b
- ☐ abc z
- ☐ def b
- ☐ def z

15. `x = 'abcde'`. What is the output for `x[:-1]`?

Mark only one oval.

- ☐ None
- ☐ 'abcd'
- ☐ ''
- ☐ 'abcde'

## True or false

16. Python has data types for integers, characters, and strings.

Mark only one oval.

- ☐ True
- ☐ False

17. The `+` operator can be used to add numbers. It can not be used to concatenate two strings.

Mark only one oval.

- ☐ True
- ☐ False

18. The output of `round(23.4567, 3)` is 23.5.

Mark only one oval.

- ☐ True
- ☐ False

19. **An object is an entity. Each object has an id and a type.**

*Mark only one oval.*

☐ True

☐ False

20. **Python is case sensitive for identifiers.**

*Mark only one oval.*

☐ True

☐ False

21. **String literals can be enclosed in matching single quotes (') or double quotes (").**

*Mark only one oval.*

☐ True

☐ False

22. **Both strings and tuples are immutable.**

*Mark only one oval.*

☐ True

☐ False

23. **The output is:**

```
>>>x = 'abc'  
>>>' ' in x
```

*Mark only one oval.*

☐ True

☐ False

24. **The type of id of an object is float.**

*Mark only one oval.*

☐ True

☐ False

25. **The output of last line is:**

```
>>>x = "aaa"  
>>>y = "aaa"  
>>>id(x) != id(y)
```

*Mark only one oval.*

☐ True

☐ False

