1. What would be the output after the following code snippet executes ?

```
x = y = z = 100
x = 200
y = 300
print(z)
```

A) 100

B) 200

C) 300

D) Error at line number 1

2. What would be the output after the following code snippet executes ?

```
obj_x = [10, 30, 50, 60]
obj_y = [20, 40, 50, 70]
obj_z.append(obj_x)
obj_z.append(obj_y)
print(obj_z)
```

A) [[10, 30, 50, 60], [20, 40, 50, 70]]

B) [10, 30, 50, 60, 20, 40, 50, 70]

C) [10, 30, 50, 60, 20, 40, 70]

D) Error at line number 3

3. What would be the value of obj_z after the following code executes ?

A python file has following lines of code:

```
stra = "a new world"
strb = "a new word"
strc = (stra+strb).replace("new", "old")
print(strc)
```

The output when the above file executes would be:

A) a new worlda new word

B) a old worlda old word

C) oldold

D) a new world

4. Which of the following operator in python evaluates to true if the variables on either side of the operator point to the same object and false otherwise?

A)**

B) //

C)is

D)not in

5. What would be the output after the following code snippet executes ?

```
numbers = [1, 2, 3, 4]
numbers.append([5,6,7,8])
 print (len(numbers))
```

A) 4

B) 5

C) 8

D) 12

6. What is the output of L[1:] if L = [1,2,3]?

A) 2,3

B) 2

C) 3

D) None of the above.

7. Suppose d = {"john":40, "peter":45}, what happens when retrieving a value using d["susan"]?

A) Since "susan" is not a value in the dictionary, Python raises a KeyError exception.

B) It is executed fine and no exception is raised, and it returns None.

C) Since "susan" is not a key in the dictionary, Python raises a KeyError exception.

D) Since "susan" is not a key in the dictionary, Python raises a syntax error.

8. What is the output of the following code?

```
my_tuple = (1, 2, 3, 4)
my_tuple.append( (5, 6, 7)
print (len(my_tuple))
```

A) 1

B) 2

C) 5

D) Error

9. What is the output of the following code?

```
def foo():
        try:
                print(1)
        finally:
                print(2)
foo()
```

A) 1

B) 2

C) 1 2

D) Error

10. What is the output of the following?

```
print('ab cd ef'.title())
```

A) Ab cd ef

B) AB CD EF

C) Ab Cd Ef

D) none of the mentioned

11. Which is the correct operator for power(x raised to y)?

A) X^y

B) X**y

C) X^^y

D) None of the mentioned

12. A file sample.txt has the following lines of text:

asia europe america australia antartica

A python file has following lines of code:

```
fa = open("sample.txt", "w")
a = fa.read()
b = a.split()
print(b[::2])
fa.close()
```

The output when the above file executes would be:

A) [america]

B) ['asia', 'europe', 'america', 'australia', 'antartica']

C) america

D) ['asia', 'america', 'antartica']

13. What is the output of the following code?

```
a = set("com")
b = set("qualcomm")
c = a&b
print(sorted(c))
```

A) ['c', 'm', 'o']

B) com

C) {'c', 'o', 'm'} (in any order of characters)

D) ['a', 'c', 'l', 'm', 'o', 'q', 'u']

14. What is the output of the following code?

```
def mod():
   print("model")

def mod():
   print("modular")

print(mod())
```

A) modular

B) modular
   None

C) model
   modular

D) model

15. A python module named as “mod” has following lines of code:

```
def force():
   print("the force awakens")
```

A python file has following lines of code:

```
from mod import force
force()
def force():
   print("the force sleeps")
force()
```

The output when the above file executes would be:

A) the force sleeps
   the force sleeps

B) the force awakens
   the force awakens

C) the force awakens
   the force sleeps

D) the force sleeps
   the force awakens

16. A file sample.txt has the following lines of text:

    new_delhi_old_delhi

    A python file has following lines of code:

```
fa = open("sample.txt")
a = fa.read(3)
fa.seek(2)
b = fa.read(3)
fa.seek(2)
c = fa.read(3)
print(a+b+c)
fa.close()
```

    The output when the above file executes would be:

    A) new_lhi_ld_

    B) newnewnew

    C) neww_dw_d

    D) new_denew_de

17. A python file has following lines of code:

```
stra = "world"
sorted(stra)
print(stra)
```

The output when the above file executes would be:

A) ['d', 'l', 'o', 'r', 'w']

B) error as string cannot be sorted

C) world

D) dlorw

18. What is the output of the following code?

```
a = [200, 300, 400, 500, [100, 200], 200]
print(a.count(200))
```

A) 1

B) 3

C) 0

D) 2

19. Which one of these is floor division?

A) /

B) //

C) %

D) None of the mentioned

20. How will you extract 'qualcomm' from the string stra (multiple options may be correct)?

```
stra = "qti.qualcomm.com"
```

A) stra[4:12]

B) stra[-12:-4]

C) stra[4:11]

D) stra[4:-4]