1. What will be the output after following lines of code execute

```
statement = ['earth' , 'has', 'rocks']
statement[1:2] = []
print(statement)
```

A. ['earth' , 'has', 'rocks']
B. ['earth', 'rocks']
C. ['has']
D. ['earth', [], 'rocks']

2. What will be the output after following lines of code execute?

```
def sample():
   try:
      return 1
   finally:
      return 2
val = sample()
print(val, type(val))
```

A. 1 <class 'int'>
B. (1,2) <class 'tuple'>
C. 2 <class 'int'>
D. [1,2] <class 'list'>

3. What will be the output after following lines of code execute

```
subject = 'informatica', 'java', 'sql', 'python'
subject[2] = 'softskills'
print(subject)
```

A. syntax error
B. ('informatica', 'labview', 'softskills', 'python')
C. (softskills)
D. ('informatica', 'labview', 'sql', 'softskills', 'python')

4. What will be the output after following lines of code execute ?

```
end = '123456789'
for i in end[::-1]:
   print (i, end='')
```

A. SyntaxError
B. 123456789
C. 987654321
D. IndexError

5. How to delete a variable varx
A. delete varx
B. remove varx
C. del varx
D. del[varx]

6. What will be the output after following lines of code execute

```
good = [7, 'seven', 7.00 , '7.00', '7']
good[1:3] = []
print(good)
```

A. [7, 'seven', 7.00 , '7.00', '7']
B. [7, ['seven', 7.00] , '7.00', '7']
C. [7, '7.00', '7']
D. [7, [], '7.00', '7']

7. What will be the output after following lines of code execute

```
sweet = ['laddu', 'barfi', 'mysore pak', 'kaju katli']
print(len(sweet[0]) - len(sweet))
```

A. Syntax error
B. 25
C. 1
D. 0

8. What will be the output after following lines of code execute
lang = 'python'
print(lang[:2])

A. 'thon'
B. 'py'
C. 'python'
D. 'on'

9. What may be the output after following lines of code execute
a = set('tictactoe')
b = set('hiphop')
print(a&b)

A. {'a', 'o', 'e', 't', 'p', 'h', 'c', 'i'}
B. {'o', 'i'}
C. {'i', 'e', 'c', 't', 'o', 'a'}
D. {'t', 'i', 'c', 't', 'a', 'c', 't', 'o', 'e'}

10. Which is false about exceptions:
A. If no exception occurs, the except clause is skipped and execution of the try statement is finished
B. If an exception occurs during execution of the try clause, the rest of the clause is skipped, and control moves to except block
C. the try catch is executed always after except clause
D. try & except together from the try-catch exception methodology

11. A file xyz has two functions abc() and efg().
How to import & use only the efg() function
A. import efg()
B. import xyz.efg()
C. import xyz
   efg()
D. from xyz import efg

12.What will be the output after following lines of code execute

```
def outer():
    a = 10
    def inner():
        nonlocal a
        a = 100
    inner()
    print(a)
outer()
```

A. 100
B. 10
C. SyntaxError
D. ValueError

13. What will be the output of following code:

```
total={}
def insert(items):
    if items in total:
        total[items] += 1
    else:
        total[items] = 1
insert('Apple')
insert('Ball')
insert('Apple')
print (len(total))
```

A. 3
B. 2
C. 1
D. 0

14. What will be the output after following lines of code execute

```
test = {1:'A', 2:'B', 3:'C'}
del test[1]
test[1] = 'D'
del test[2]
print(len(test))
```

A. 3
B. 2
C. 1
D. 0

15. What will be the output after following lines of code execute

```
x=1
def funca():
   global x
   x=x+1
funca()
print(x)
```

A. 1
B. 2
C. 0
D. SyntaxError

16. What will be the output after following lines of code execute

```
room = {'jack':106, 'jill':107, 'john':201}
room['jinny'] = 110
print(sorted(room))
```

A. {'jill': 107, 'jinny': 110, 'jack': 106, 'john': 201}
B. ['jack', 'jill', 'jinny', 'john']
C. 106, 107, 110, 201
D. 107, 110, 106, 201

17. What will be the output of the following code

```
def divide(x, y):
    try:
        result = x/ a
    except ZeroDivisionError:
        print("division by zero!")
    except :
        print("ok")
    except NameError:
        print("wrong name!")
divide(2,0)
divide(2,1)
```

A.
wrong name!
wrong name!
B.
division by zero!
division by zero!
C. nothing gets printed as it is syntax error
D.
division by zero!
wrong name!

18. The contents of a file deloitte.txt is
lunch
dinner
The contents of sample.py is

```
f = open("deloitte.txt", "r+")
a = f.readline()
a = f.readline()
f.write("\nbreakfast")
f.close()
```

If both files are in same folder & sample.py is executed then contents of the file deloitte.txt change to:
A.
breakfast
lunch
dinner
B.
breakfast
C. error as file is opened for reading & we are attempting write
D.
lunch
dinner
breakfast

19. What will be the output after following lines of code execute

```
count={}
count[(1,2,4)] = 5
count[(4,2,1)] = 7
count[(1,2)] = 6
count[(4,2,1)] = 2
tot = 0
for i in count:
   tot=tot+count[i]
print(len(count)+tot)
```

A. 16

B. 20
C. 6
D. 7

20. What will be the output after following lines of code execute

```
x = 2
for i in range(x):
    x -= 2
    print(x, end=' ')
```

A. 0 -2
B. -2 0
C. 2 1 0 -1 -2
D. 0 -1 -2