1.	len('Hello	len('Hello there') =			
2.	<pre>len('Hello\nthere') =</pre>				
3.	"Python 2"[2:4] =				
4.	True or False a) "fun" in "functions" = b) "fun" in "Functions" = c) "Fan" in "Functions" == False = d) 'New Year' has the same internal representation as "New year"; i.e., 'New Year' == "New year" is True e) Whitespace is meaningful in Python				
5.	The best struct		g a multi-way decision in Pythoc) if-elif-else		
6.	What stateme a) if		the body of a loop to cause it to c) continue		
7.		e = 'Forest Gump'. () =	_		
8.		umbo Jack', then:	name[4] =	name[5] =	
9.	chr(ord('a	') + 1) =			
10	<pre>10. What is the output of the following code segment? for c in 'purple cat': print(c, end=' ')</pre>				
11	<pre>11. What is the output of the following code segment? for z in range(3, 5, 1): print(z * z)</pre>				
12	12. Assume a = 'Jython Programmers Rule'. What is a Python statement (involving the variable a) to create a string where the character 'J' is replaced with a 'P'?				

- 13. Assuming x = "Happy", z = "New", and y = "Year", using these variables, write a Python statement that produces the string "Happy New Year".
- 14. Describe the action of the function below.

```
def foo(s):
    return (s[0].upper + s[1:].lower())
```

15. What is wrong (or badly designed) for the following function intended to compute the area of a circle? def findArea():

```
radius = 10
pi = 3.1459
area = pi * radius * radius
print(area)
```

16. Describe the action of the function below.

```
def foo(myl):
    result = 0
    for elem in myl:
        result += elem
    return result
```

- 17. Name 5 built-in functions in Python
- 18. True/False questions
 - a) Every Python function returns some value.
 - b) Information can be passed into a function through parameters.
 - c) The Boolean operator or returns True when both of its operands are true.
 - d) a and (b or c) == (a and b) or (a and c)
 - e) True or False
- 19. A Python function definition begins with
 - a) def
- b) define

- c) function
- d) func

- 20. A function with no return statement returns
 - a) nothing
- b) its parameters
- c) its variables
- d) None

21. Predict the output that would be generated by the following code.

```
a, b, c = 4, 10, 22
if a > b:
    if b < c:
        print("Apple")
    else:
        print("Banana")
elif b > c:
    if a == b:
        print("Cat")
    elif a < b:
        print("Dog")
else:
    print("Elephant")
    if a < c:
        print("Fish")
    if a < b:
        print("Giraffe")
    else:
        print("Hotel")
print("Igloo")
```

22. Predict the output that would be generated by the following code.

23. Predict the output that would be generated by the following program.

```
return x * 2 + y

def main():
    a = 12
    b = 3
    c = myFunction(a, b)
    d = myFunction(1, c)
    print(c)
    print(d)

if __name__ == "__main__":
    main()
```

def myFunction(x, y):

24. Predict the output that would be generated by the following code.

```
x = 2
y = 10
for j in range(0, y, x):
    if j % 2 == 0:
        continue
    print("iteration", j)
```

25. What is the output of the following code segment?

```
aList = [1, 2, 3, 4, 5, 6, 7]

pow2 = [2 * x for x in aList]

print(pow2)
```

26. What is the output of the following list operation

```
aList = [10, 20, 30, 40, 50, 60, 70, 80]
print(aList[2:5])
print(aList[:4])
print(aList[3:])
```

27. What is the output of the following list function?

```
sampleList = [10, 20, 30, 40, 50]
sampleList.pop()
print(sampleList)

sampleList.pop(2)
print(sampleList)
```