Choose the correct answers for the following questions.

1. What will be the output of the following Python statement?   Print("abcd"[2:])
a) a
b) ab
c) cd
d) dc

2. What is the output of the following print() function   `print(sep='-', 'Ben', 25, 'California')`

a)   Syntax Error
b)   Ben–25–California
c)   Ben 25 California
d)   Ben–25 California

3. What will the following code return as the output if the 1st line of input is 1 and the 2nd line of input is 2?
a) 3
b) Error
c) 12
d) ab

```
a = input()
b = input()
c = a + b
print(c)
```

4. Input taken using input function can be converted into following data type.
a) Int
b) Str
c) Boolean
d) All of the above

5. In python how many parameters of input function?
a) One
b) Two
c) Three
d) Four

6. What does the following Python code snippet do?
a) Prints "Hello, World!" in lowercase
b) Converts "Hello, World!" to uppercase and prints it
c) Reverses the string "Hello, World!"
d) Removes all whitespace characters from the string "Hello, World!"

```
string = "Hello, World!"
print(string.upper())
```

7. What is the output of the following Python code snippet?
a) "Hello"
b) "lo, "
c) "lo, W
d) "lo, World"

```
string = "Hello, World!"
print(string[3:7])
```

8. What does the isdigit() method do in Python string manipulation?
a) Checks if all characters in the string are digits
b) Converts the string to lowercase
c) Checks if all characters in the string are alphabets
d) Checks if the string is empty

9. Which method is used to convert the first character of a string to uppercase in Python?
a) upper()
b) capitalize()
c) title()
d) first_upper()

10. How do you start writing an if statement in Python?
a) if x > y:
b) if x > y then:
c) if (x > y)

11. Suppose list1 is [2, 33, 222, 14, 25], What is list1[-1]?
a) Error
b) None
c) 25
d) 2

12. What will be the output of the following Python code?

```
names = ['Amir', 'Bear', 'Charlton', 'Daman']
print(names[-1][-1])
```

a) A
b) Daman
c) Error
d) n

13. What will be the output of the following Python code?

```
names1 = ['Amir', 'Bala', 'Chales']
if 'amir' in names1:
print(1)
else:
print(2)
```

a) None
b) 1
c) 2
d) Error

14. Which python function will get you the size of the python list?
a) Size ()
b) Len ()
c) Lenln ()
d) List_len ()

15. What will be the output of the following Python code?

numbers = [1, 2, 3, 4]
print(len(numbers))

a) 4
b) 5
c) 8
d) 12

16. Write a program in python to find the length of elements in the List [20, 100, 30, 80, 50]

```python
list = [20, 100, 30, 80, 50]
print (len(list))
```

17. Write a program for the user to enter his name and if name is less than 3 characters long, name must be at least 3 characters otherwise if its more than 50 characters long then name can be maximum of 50 characters. Otherwise name looks good!.

```python
name = input ("Enter your name: ")

if len(name) <3:
    print("name must be at least 3 characters")
elif len(name) > 50:
    print("name must be a maximum of 50 characters")
else:
    print("name looks good")
```

18. Create a program in python that calculates an area of a rectangle

```python
length = float(input("Enter the length of a rectangle"))
width = float(input("Enter the width of a rectangle"))

area= length * width
print(area, "cm^2")
```