

### Sample Question( SYIT-SEM-III-Paper-I- Python Programming)

1) Which one of the following is a valid Python if statement :

- A. if a>=2 :
- B. if (a >= 2)
- C. if (a => 22)
- D. if a >= 22

2) What will be the output of the following Python code?

```
1. def printMax(a, b):
2.     if a > b:
3.         print(a, 'is maximum')
4.     elif a == b:
5.         print(a, 'is equal to', b)
6.     else:
7.         print(b, 'is maximum')
printMax(3, 4)
```

- a)3
- b)4
- c)4ismaximum
- d) 3 equal

3) Why are local variable names beginning with an underscore discouraged?

- A. they confuse the interpreter
- B. they are used to indicate a private variables of a class
- C. they are used to indicate global variables
- D. they slow down execution

4) What is the output of the following code : print 5//2

- A. 2
- B. 2.5
- C. 2.0
- D. Error

5) What is the output of the following program : print((1, 2) + (3, 4))

- A. (1, 2), (3, 4)
- B. (4, 6)
- C. (1, 2, 3, 4)
- D. Invalid Syntax

6) How to get last element of list in python? Suppose we have list with name arr, contains 5 elements.

- A. arr[0]
- B. arr[5]
- C. arr[last]
- D. arr[-1]

7) What is the output of `print(2 ** 3 ** 2)`

- a) 64
- b) 512
- c) 232
- d) 22322

8) Which of the following statements are correct?

- (i) Python is a high level programming language.
- (ii) Python is an interpreted language.
- (iii) Python is a compiled language.
- (iv) Python program is compiled before it is interpreted.

- A. i, ii
- B. i, iv
- C. ii, iii
- D. ii, iv

9) What will be the result of following Python code snippet after execution?

```
str1=""
```

```
i=0
```

```
var2=1
```

```
while(i<3):
```

```
    var1=1
```

```
    if str1:
```

```
        var2=var1*var2+5
```

```
    else:
```

```
        var2=var1*var2+1
```

```
    i=i+1
```

print(var2)

- A. 16
- B. 12
- C. 11
- D. 4

10) Which of the following is not a relational operator in Python?

- A. >=
- B. <=
- C. =
- D. !=

11) If str1="Programming Language"  
What does str1.find("m") return?

- A. Number of occurrences of "m" in string str1.
- B. Index positions of "m" in the string str1.
- C. It returns the whole string str1 if it contains "m".
- D. It returns the index position of first occurrence of "m" in the string str1.

12) Which of the following is not used as loop in Python?

- A. for loop
- B. while loop
- C. do-while loop
- D. if loop

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

```
list1 = [3 , 2 , 5 , 6 , 0 , 7, 9]
```

```
sum = 0
```

```
sum1 = 0
```

```
for elem in list1:
```

```
if (elem % 2 == 0):
```

```
sum = sum + elem
```

```
continue
```

```
if (elem % 3 == 0):
```

```
    sum1 = sum1 + elem
```

```
print(sum , end=" ")
```

```
print(sum1)
```

- A. 8 9
- B. 8 3
- C. 2 3
- D. 8 12

14) Which keyword is use for function?

- A. define
- B. fun
- C. def
- D. function

15) In Python, how are arguments passed?

- A. pass by value
- B. pass by reference
- C. It gives options to user to choose
- D. pass data

16) Which of the following would result in an error?

A. 

```
def function1(var1=2, var2):  
    var3=var1+var2  
    return var3  
function1(3)
```

B. 

```
def function1(var1, var2):  
    var3=var1+var2  
    return var3  
function1(var1=2,var2=3)
```

C. 

```
def function1(var1, var2):  
    var3=var1+var2  
    return var3  
function1(var2=2,var1=3)
```

D. 

```
def function1(var1, var2=5):  
    var3=var1+var2  
    return var3  
function1(2,3)
```

17) What will be the output of the following Python code?

```
def function1(var1,var2=5):  
  
    var1=2  
  
    var3=var1*var2  
  
return var3  
  
var1=3  
  
print(function1(var1,var2))
```

- A. 10
- B. 15
- C. Error as var2 is not defined while calling the function
- D. Does not give any error as var2 is a default argument

18) Which of the following is the use of function in python?

- a) Functions are reusable pieces of programs
- b) Functions don't provide better modularity for your application
- c) you can't also create your own functions
- d) error program

19) What will be the output of the following Python code?

```
1. >>>example = "snow world"  
2. >>>print("%s"% example[4:7])
```

- a)wo
- b)world
- c)sn
- d) rl

20) Which of the following will give output as [23,2,9,75] ?

If list1=[6,23,3,2,0,9,8,75]

- A. print(list1[1:7:2])
- B. print(list1[0:7:2])
- C. print(list1[1:8:2])
- D. print(list1[0:8:2])

21) What will be the output of the following Python code?

```
1. >>>t =(1, 2)
2. >>>2* t
```

- a)(1,2,1,2)
- b)[1,2,1,2]
- c)(1,1,2,2)
- d) [1, 1, 2, 2]

22) Which mode is used to openfile in both the read and append mode.

- a) a+
- b) A
- c) r+
- d) ab+

23) Which method is used to read the string from the file.

- a) read
- b) fread()
- c) write()
- d) fwrite()

24) What is the correct way to use the config() function in tkinter ?

- a) object.config(property)
- b) config(object,property)
- c) config(property)
- d) object.property

25) To change the color of the text in the Button widget, what we use ?

- a) fg
- b) bg
- c) color
- d) cchng