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STD :XII

MCQ TEST-III (2020-21)

MARKS:20

Exam Date:06-05-2020

COMPUTER SCIENCE (083)

TIME: 25 mins

1. Which of the following functions is a built-in function in python?

- a) random() b) sqrt() c) dumps() d) print()

2. Identify the line numbers which would produce errors when executed..

```
1.def area (radius+2):  
2.  pi=3.14  
3.  res = pi*radius*radius  
4.  return Res  
5.r = int(input("Enter radius:"))  
6.print(area( ))
```

- a) Line nos:1,3,4 & 6 b) Line nos: 4,5 & 6
b) Line nos: 1,4,5,6 d) Line nos: 1, 4, & 6

3. In the below given code, which variables have global scope?

```
m = 5  
def fun1(x):  
    a = 6  
    return (x+a)  
n=50  
print(fun1(n))
```

- a) a, x, n , m
b) n, a , x
c) m, n
d) a, x

4. What is the output of the function: len(["hello",2, 4, 6])

- a) 4 b) 1 c) Error d) 6

5. Which one of the following is the correct way of calling a function?

- a. function_name()
b. call function_name()
c. ret function_name()
d. function.function_name()

6. Which of the following function headers is correct?

- a) def f(a = 1, b):
b) def f(a = 1, b, c = 2):
c) def f(a = 1, b = 1, c = 2):
d) def f(a = 1, b = 1, c = 2, d):

7. Which keyword is used for defining a function?

- a) function b) Define c) func d) def

8. What is the output of the below code?

```
def printMax(a, b):  
    if a > b:  
        print(a, 'is maximum')  
    elif a == b:  
        print(a, 'is equal to', b)  
    else:  
        print(b, 'is maximum')  
printMax(3, 4)
```

- a) 3 is maximum b) 4 c) 4 is maximum d) None of the mentioned

9. Select the correct flow of execution for the below python code.

```
1.def increment(x):  
2.     x=x+1  
3.     return x  
4.x=3  
5.print(x)  
6.y=increment(x)  
7.print(y)
```

- a. 1->2->3->4->5->6->7
b. 1->4->5->6->1->2->3->6->7
c. 1->4->5->6->1->2->3->7
d. 4->5->6->1->2->3->7

10. What is a variable defined outside a function referred to as?

- a) Loop variable b) Global variable c) Local variable d) None

11. What is the output of the below code.

```
def func(a, b=5, c=10):  
    print('a is', a, 'and b is', b, 'and c is', c)  
func(3, 7)
```

- a) a is 7 and b is 3 and c is 10 b) a is 10 and b is 7 and c is 3
c) a is 3 and b is 7 and c is 10 d) None of the options

12. What is the default return value for a function that does not return any value explicitly?

- a) None b) int c) float d) False

13. What is the output of the code shown?

```
def f1():  
    global x  
    x+=1  
x=12  
f1()  
print(x)
```

- a) Error b) 13 c) 12 d) x

14. Expressions cannot be used in?

- a) Function call
- b) Function header
- c) return statement
- d) print statement

15. Values passed in function call are called as _____

- a) Actual arguments
- b) Formal parameters
- c) Both a & b
- d) Default arguments

16. return statement can return values as

- a) Expressions
- b) Constants
- c) Variables
- d) All the above

17. Which one of the following is incorrect?

- a. The variables declared inside function are called local variables.
- b. The local variables of a particular function can be used inside other functions
- c. The variables declared outside function are called global variables
- d. In order to change the value of global variable inside function, keyword global is used.

18. What is the output of the following piece of code?

```
def list1(b):  
    b = b + [5]  
    return b  
c = [1, 2, 3, 4]  
res=list1(c)  
print(len(res))
```

- a)4 b) 5 c) 1 d) An exception is thrown

19. Which of the following statements are true

- 1. You can pass positional arguments in any order.
- 2. You can pass keyword arguments in any order.
- 3. You can call a function with positional and keyword arguments.
- 4. Default arguments will override the value we pass a value in the function call.

- a) 1,2 & 3 are true
- b) 2 & 3 are true
- c) 2, 3 & 4 are true
- d) None of the statements are true

20. What is the output of the add() function call

```
def add(a, b):  
    return a+5, b+5  
result = add(3, 2)  
print(result)
```

- a) 15 b) [8,7] c) (8, 7) d) Syntax Error

Copy and paste the Google link to submit the answer.

<https://forms.gle/EeLswRxZfSfmtxTp9>