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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?
- Function call
  - Function header
  - return statement
  - print statement
15. Values passed in function call are called as \_\_\_\_\_
- Actual arguments
  - Formal parameters
  - Both a & b
  - Default arguments
16. return statement can return values as
- Expressions
  - Constants
  - Variables
  - All the above
17. Which one of the following is incorrect?
- The variables declared inside function are called local variables.
  - The local variables of a particular function can be used inside other functions
  - The variables declared outside function are called global variables
  - 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))
```
- 4
  - 5
  - 1
  - An exception is thrown
19. Which of the following statements are true
- You can pass positional arguments in any order.
  - You can pass keyword arguments in any order.
  - You can call a function with positional and keyword arguments.
  - Default arguments will override the value we pass a value in the function call.
- 1,2 & 3 are true
  - 2 & 3 are true
  - 2, 3 & 4 are true
  - 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)
```
- 15
  - [8,7]
  - (8, 7)
  - Syntax Error

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**Copy and paste the Google link to submit the answer.**

<https://forms.gle/EeLswRxZfSfmtxTp9>