



**MONTHLY TEST-1 EXAMINATION AGUGUST 2021**

**COMPUTER SCIENCE XII COM,SCI MAX. MARKS : 60 DURATION : 60 MINS**

**ANSWER THE FOLLOWING**

**QNO 1-5 single answer correct**

- Python was created by \_\_\_\_\_.  
a. James Gosling   b. Steve Jobs   c. Guido van Rossum   d. Dennis ritche
- What is used to define a block of code (body of loop, function etc.) in Python?  
a. Curly braces   b. Parenthesis   c. Indentation   d.Quotation
- A Python paragraph comment uses the style \_\_\_\_\_.  
a. // comments //   b. / comments /   c. "" comments ""  
d. # comments
- A \_\_\_\_\_ error does not cause the program to abort, but produces incorrect results.  
a. Syntax error   b. runtime error   c. logical error   d. compile time error
- What is the output of the following code?

```
xx = 25
if False:
    xx = 75

def var_test():
    if True:
        xx = 35
print(var_test())
```

- a. 25   b. 75   c. 35 N   d. one
- What is the output of the following code?

```
a = 75
def var_test():
    return a

print(var_test())
```

- a. 75    b. 0    c. Error    d. None
7. What is the output of the following code?

```
def var_test():
    xx = 99
    return xx

var_test()
print(xx)
```

- a. 0    b. 70    c. Error    d. None
8. What is the output of the following code?

```
var_test = "Jhons" * 3 * 2
print(var_test)
```

- a. JhonsJhonsJhonsJhons
- b. Jhons
- c. JhonsJhonsJhonsJhonsJhonsJhons
- d. Syntax Error

9. In the Python statement  $x = a + 5 - b$ :

a and b are \_\_\_\_\_

$a + 5 - b$  is \_\_\_\_\_

- |                            |                           |
|----------------------------|---------------------------|
| a. terms, a group          | b. operators, a statement |
| c. operands, an expression | d. operands, an equation  |

10. What is the output of the following addition (+) operator?

```
a = [10, 20]
b = a
b += [30, 40]
print(a)
print(b)
```

- A. [10, 20, 30, 40]  
   [10, 20, 30, 40]
- B. [10, 20]  
   [10, 20, 30, 40]
- C. [10, 20, 10, 20]  
   [10, 20, 30, 40]
- D. [10, 20]  
   [30, 40]

**Code for Qno 11-14:**

```
P = ____ (input( "enter money lent" )      # statement 1
R = float(input("enter rate of interest"))
T = float(input("enter time in years"))
SI = _____ / 100                      # statement 2
Amount_payable = P + ____                 #statement 3
print("amount payable is ", _____)    #statement 4
```

11. Fill statement 1 to convert the input data to float type.  
a. Int() b. str() c. float() d. no need of conversion.
12. Fill statement 2 to complete the simple interest formula.  
a. Ptr b. P \* R \* T c. p.r.t d. PRT
13. Fill statement 3 to add simple interest that is calculated in the program.  
a. P b. SI c. P\*T\*R d. R
14. Fill statement 4 to print the total amount payable to the output.  
a. Amount b. amount payable c. amount\_payable d. SI
15. What does the following python code display?

```
x = 3
if x== 0:
    print("Am I here",end = " ")
elif x == 3:
    print("or here?", end = " ")
else:
    print("Bye")
```

- a. Am I here ? b. Or here? c. Am I here ? Or here? d) Am I here ? Or Over here?
16. Which of the following is an unconditional statement?  
a. For b. break c. if d. else

**Consider the following code segment for the question 17 – 20**

```
a = int(input("enter an integer"))
b = int(input("enter an integer"))
if a <= 0:
    b = b + 1
else:
    a = a + 1
if a > 0 and b > 0:
    print("W")
```

```

elif a>0 :
    print("X")
if b > 0 :
    print("Y")
else:
    print("Z")

```

17. What letters will be printed if the user enters 0 for a and 0 for b?
  - a. Only W
  - b) Only X
  - c) Only Y
  - d) W and X
18. What letters will be printed of the user enter 1 for a and 1 for b?
  - a. W and X
  - b. W and Y
  - c. X and Y
  - d. X and Z
19. What letters will be printed if the user enters 1 for a and -1 for b?
  - a. W and X
  - b. W and Y
  - c. X and Y
  - d. X and Z
20. What letters will be printed if the user enters 1 for a and 0 for b?
  - a. W and X
  - b. W and Y
  - c. X and Y
  - d. X and Z

**Description for qno 21- 26 :** If S = " this is a test" what is the output returned by following slicing operations?

21. S [ : ]
  - a. " this is a test"
  - b. " this"
  - c. ""
  - d. "test"
22. S[3:7]
  - a. "this"
  - b. "s is"
  - c. "s is "
  - d. "test"
23. S[ : : -1]
  - a. " this is a test"
  - b. "tset a si siht"
  - c. " this"
  - d. "siht"
24. S[2: : 2]
  - a. "this is"
  - b. "is a test"
  - c. "i i ats"
  - d. 'i s et'
25. S[2:2:2]
  - a. ''
  - b. i
  - c. i i
  - d. 'th'
26. S[ : : -2]
  - a. 'te s it'
  - b. 'tesit'
  - c. 'tet'
  - d. 'test'

**Description for Qno 27 -30**

Priyank is a software developer with a reputed firm. He has been given the task to computerise the operations for which he is developing a form which will accept customer data as follows:

The DATA TO BE ENTERED IS :

- a. Name
- b. Age
- c. Items bought( all the items that the customer bought)
- d. Bill amount

27. Choose the most appropriate data type to store the above information in the given sequence.
- string, tuple, float, integer
  - string, integer, dictionary, float
  - string, integer, integer, float
  - string, integer, list, float
28. Now the data of each customer needs to be organised such that the customer can be identified by name followed by the age, item list and bill amount. Choose the appropriate data type that will help Priyank accomplish this task.
- List
  - Dictionary
  - Nested Dictionary
  - Tuple
29. Which of the following is the correct way of storing information of customers named 'Paritosh' and 'Bhavesh' with respect to the option chosen above?
- a.customers= {'Paritosh':24,['Printed Paper', ' Penstand'], 3409, 'Bhavesh': 45,['A4 Rim','Printer Cartridge', 'Pen Carton', 'Gift Wrap'], 8099.99 }
  - customers={'Paritosh':[24,['Printed Paper', ' Penstand'], 3409], 'Bhavesh':[45,['A4 Rim','Printer Cartridge', 'Pen Carton', 'Gift Wrap'], 8099.99] }
  - c.customers= ['Paritosh':24,'Printed Paper', ' Penstand', 3409, 'Bhavesh': 45,'A4 Rim','Printer Cartridge', 'Pen Carton', 'Gift Wrap', 8099.99 ]
  - customers=('Paritosh':24,['Printed Paper', ' Penstand'], 3409, 'Bhavesh': 45,['A4 Rim','Printer Cartridge', 'Pen Carton', 'Gift Wrap'], 8099.99 )
30. In order to calculate the total bill amount for 15 customers, Priyank Statement 1. must use a variable of the type float to store the sum. Statement 2. may use a loop to iterate over the values
- both statements are correct.
  - Statement 1 is correct, but statemnt 2 is not.
  - Both statements are incorrect.
  - Statement 1 is incorrect but statement 2 is correct.

**Code for Qno 31- 34**

```
import _____
AR=[20,30,40,50,60,70]
FROM=random.randint(1,3)
TO=random.randint(2,4)
for K in range(FROM,TO+1):
    print(AR[K],end="#")
```

31. Identify the library to import
- Math
  - randint
  - random
  - range
32. What is the minimum value of From, To
- 1,3
  - 1,4
  - 3,4
  - 1,2

33. What are the maximum values of From, To variables  
a. 1,3 b. 1,4 c. 3,4 d. 1,2
34. What is the output of the above code:  
a. 10#40#70# b. 30#40#50# c. 50#60#70# d. 40#50#70#

**Code for QNO 35 to 38**

```
def Check(n1=1,n2=2):  
    n1=n1+n2  
    n2+=1  
    print(n1,n2)  
Check()  
Check(2,1)  
Check(3)
```

35. What is the type of arguments used in function Check  
a. Keyword arguments b. default arguments  
c. required arguments d. multi line arguments
36. What will be the output printed by function call Check()  
a. 3 3 b. 3 2 c. 2 2 d. 5 3
37. What will be the output printed by function call Check(3)  
a. 3 3 b. 3 2 c. 2 2 d. 5 3
38. What will be the output printed by function call Check(2,1)  
a. 3 3 b. 3 2 c. 2 2 d. 5 3

**Code for QNO 39 - 44**

```
def Changer(P,Q=10):  
    P=P/Q  
    Q=P%Q  
    print (P,"#",Q)  
    return P  
A=200  
B=20  
A=Changer(A,B)  
print( A,"$",B)  
B=Changer(B)  
print( A,"$",B)  
A=Changer(A)  
print( A,"$",B)
```

39. What is the type of argument P in function Changer()  
 a. Keyword arguments    b. default arguments  
 b. required arguments    d. multi line arguments
40. What are the values of A and B after function call Changer(A,B) in the program.  
 a. 10.0 # 10.0    b. 10.0 \$ 20    c. 10.0 \$ 2.0    d. 1.0 \$ 2.0
41. What are the values of A and B after function call Changer(B) in the program.  
 a. 10.0 # 10.0    b. 10.0 \$ 20    c. 10.0 \$ 2.0    d. 1.0 \$ 2.0
42. What are the values of P and Q after function call Changer(A,B) in the program.  
 a. 10.0 # 10.0    b. 10.0 \$ 20    c. 10.0 \$ 2.0    d. 1.0 \$ 2.0
43. What are the values of P and Q after function call Changer(A) in the program.  
 a. 10.0 # 10.0    b. 2.0 # 2.0    c. 1.0 # 1.0    d. 1.0 \$ 2.0
44. What are the values of A and B after function call Changer(A) in the program.  
 a. 10.0 # 10.0    b. 10.0 \$ 20    c. 10.0 \$ 2.0    d. 1.0 \$ 2.0
45. What will be the output of the following Python code?  

```
x = 'abcd'
for i in x:
    print(i.upper())
```

 a) a b c d    b) A B C D    c) a B C D    d) error
46. What will be the output of the following Python code?  

```
d = {0: 'a', 1: 'b', 2: 'c'}
for x in d.keys():
    print(d[x])
```

 a) 0 1 2    b) a b c 2 c 1 b    c) 0 a    d) none of the mentioned
47. What will be the output of the following Python code?  

```
d = {0, 1, 2}
for x in d:
    print(d.add(x))
```

 a) 0 1 2    b) 0 1 2 0 1 2 0 1 2 ...    c) None None None    d) None of the mentioned
48. What will be the output of the following Python code snippet?  

```
for i in [1, 2, 3, 4][::-1]:
    print (i)
```

 a) 1 2 3 4    b) 4 3 2 1    c) error    d) none of the mentioned
49. What will be the output of the following Python code snippet?  

```
for i in ".join(reversed(list('abcd'))):
```

```
print (i)
```

- a) a b c d    b) d c b a    c) error    d) none of the mentioned

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

```
>>>list1 = [11, 2, 23]
```

```
>>>list2 = [11, 2, 2]
```

```
>>>list1 < list2 is
```

- a) True    b) False    c) Error    d) None

51. To insert 5 to the third position in list1, we use which command?

a) list1.insert(3, 5)

b) list1.insert(2, 5)

c) list1.add(3, 5)

d) list1.append(3, 5)

52. Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is list1.count(5)?

- a. 0    b) 4    c) 1    d) 2

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

```
>>>"Welcome to Python".split()
```

a) ["Welcome", "to", "Python"]

b) ("Welcome", "to", "Python")

c) {"Welcome", "to", "Python"}

d) "Welcome", "to", "Python"

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

```
>>>list("a#b#c#d".split('#'))
```

- a) ['a', 'b', 'c', 'd']    b) ['a b c d']    c) ['a#b#c#d']    d) ['abcd']

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

```
>>>list1 = [1, 3]
```

```
>>>list2 = list1
```

```
>>>list1[0] = 4
```

```
>>>print(list2)
```

- a. [1, 3]    b) [4, 3]    c) [1, 4]    d) [1, 3, 4]

56. What will be the output of the following Python code? 1.

```
def say(message, times = 1):
```

```
    print(message * times)
```

```
say('Hello')
```

```
say('World', 5)
```

- a. Hello  
WorldWorldWorldWorldWorld



- b. Hello  
World 5
- c. Hello  
World,World,World,World,World
- d. Hello  
HelloHelloHelloHelloHello

57.

Suppose a tuple T is declared as T = (10, 12, 43, 39), which of the following is correct?

- a) T.append(50)
- b) T[2] = -29
- c) print(max(T))
- d) T.reverse()

58.

Evaluate  $A^{B^A}$  if A= 2 and B=3

- a) 0
- b) 12
- c) 64
- d) 512

59.

Which of the following statements can generate a list of values from 15 to 1

- a) range(1,15,1)
- b) range(0,15)
- c) range(16,1,-1)
- d) range(15,1,-1)

60.

Which of the following random module functions generate a floating point number?

- a) random()
- b) randint()
- c) choice()
- d) randrange()