OMSAKTHI
G B PUBLIC SCHOOL
DEPARTMENT OF COMPUTER SCIENCE
CLASS XII-COMPUTER SCIENCE (083)
MONTHLY TEST

MARKS: 60   **TIME: 2 HRS**

General Instruction:
1. The examination will comprise of Objective type Multiple Choice Questions (MCQs)
2. All questions are compulsory.
3. Each question carries one mark.
4. There will be no negative marking for the wrong answers
5. Only one answer is correct per numbered item

Choose the correct Answer
1   What will be the output of the following program?
       S1 = "Welcome to JAVA Programming"
       S2 = S1.replace("JAVA","Python")
       print(S1)
       print(S2)
       a.Welcome to JAVA Programming
       b.Welcome to Python Programming
       c.Welcome to Java Python Programming
       d.None of the above

2   What will be the output of the following program?
       Str1 = "Hello"
       Str2 = Str1[:-1]
       print(Str2)
       a.olle   b.Hello   c.el   d.Hell

3   What will be the output of the following program?
       S = "ILOVEWORLD"
       for ch in range(0, len(S), 3):
       print(S[ch], end=" ")
       a.I V O D   b.I O W L   c.I V W L   d.I L O V

4   What will be the output of the following program?
       def countbc(word):
          print(word)
          count = 0
          for bc in word:
            if (bc == 'bc'):
                count = count + 1
          return count

```
print("Number of 'bc' = ", countbc("abcbabcaaa"))
```
  a.0   b.10   c.2   d.1

5   How would you print 'UK' for the given list?
Countries = ['India', 'USA', 'UK']
a.Countries[2]   b.Countries[-1:]
c.Both a and b   d.Only a

6   What will be the output of the following program?
```
a = '\t\t\tPython\n\n'
print(a.strip())
```
a.Python\n   b.Python\n\n   c.Python   d.\t\tPython

7   Which of the following is the equivalent of s[:-1]?
a. s[:len(s)]   b.s[len(s):]   c.s[::]   d.S[:-1]

8   What will be the output of the following program?
```
S='ABC'
n = 1
for ch in S:
   print(ch * n)
   n = n + 1
```
a.ABC   b.A   c. 1   d. A BB CCC
                   BB   22
                   CCC   333

9   What will be the output of the following program?
```
str1 = 'I love Python programming. Python is very easy.'
print(str1.find("Python"),',', str1.rfind("Python"))
```
a. True, True   b.7, 27   c. 6, 26   d.None of the above

10   Consider the list, L = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j'].
Which one of the following outputs is correct?
a. >>>L[0::3]
['a', 'c', 'f', 'i']

b.>>>L[0:-1]
['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i']

c.>>>L[0:2]
['a', 'b', 'c']

d.None of the above

11   What will be the output of the following statement?
```
List1 = [[n, n + 1, n + 2] for n in range(0, 3)]
```
a.[0,1,2]
b.[[0, 1, 2],[0, 1, 2],[0, 1, 2]]
c.[[0, 1 , 2],[1, 2, 3],[2, 3, 4]]

d.[[0, 1 , 2],[2, 3, 4],[4, 5, 6]]

12   Which of the following is the best way of code to delete element 15 from
      the given list.
      numbers = [20, 30, 15, 23, 45]
      a.numbers[2] = ' '   b.numbers[2].delete()
      c.del numbers[2]   d.numbers.remove(2)

13   What will be the output of following code?
      Numbers = [10, 20, 30]
      total = 0
      while Numbers:
             total = total + Numbers.pop()
       print('Numbers = ', Numbers)
      print('total = ', total)
      a.Numbers = [10, 20, 30], total = 60
      b.Numbers = [ ], total = 60
      c.Numbers = [ ], total = [ ]
      d.Numbers = [10, 20, 30], total = 30

14   What will be the output of the following code?
      a = ((1, 2),) * 7
      print(len(a[3:6]))
       a.2   b.3   c.4   d.Error
15   What will be the output after the execution of the following statements?
      capital = {'India': 'Delhi', 'SriLanka': 'Colombo'}
      capital = list(captial.values)
      a.Delhi   b.['Delhi', 'Colombo']
      c.['Colombo']   d.Error

16   What will be the output of the following code?
      Fruits = ('Banana', 'Grapes', 'Mango', 'WaterMelon')
      print(max(fruits))
      print(min(fruits))
      a.WaterMelon, Mango   b.WaterMelon, Banana
      c.WaterMelon, Grapes   d.Banana, WaterMelon
17   What will be the output of the following statement?
      print(15 + 20 / 5 + 3 * 2 - 1)
      a.19.0   b.19   c.12.0   d.24.0
18   Give Output:
      colors=["violet", "indigo", "blue", "green", "yellow", "orange", "red"]
      del colors[4]
      colors.remove("blue")
      colors.pop(3)
      print(colors)
      a. ['violet', 'indigo', 'green', 'red']
      b. ['violet', 'indigo', 'yellow', 'red']

c. ['violet', 'indigo', 'orange', 'red']
d. ['violet', 'indigo', 'green', 'yellow']

```
import random
Colours = ["VIOLET","INDIGO","BLUE","GREEN",
"YELLOW","ORANGE","RED"]
End = randrange(2)+3
Begin = randrange(End)+1
for i in range(Begin,End):
    print(Colours[i],end="&")
```
(i) INDIGO&BLUE&GREEN& (ii) VIOLET&INDIGO&BLUE&
(iii) BLUE&GREEN&YELLOW& (iv) GREEN&YELLOW&ORANGE&

19   specify the minimum and maximum values that can be assigned to the
      variable End .
      a. minimum=3,maximum=5   b. minimum=3,maximum=4
      c. minimum=1,maximum=5   c. minimum=1,maximum=5

20   What possible outputs(s) are expected to be displayed on screen at the
      time of execution of the program from the following code?
      a. iii and iv   b. iv only   c. both and b   d. none

21   Write the output of following python code
```
Text="Welcome Python"
L=len(Text)
ntext=""
for i in range (0,L):
if Text[i].isupper():
ntext=ntext+Text[i].lower()
elif Text[i].isalpha():
ntext=ntext+Text[i].upper()
else:
ntext=ntext+"!!"
print (ntext)
```
         a.   wELCOME!!PYTHON   b. wELCOME!!pYTHON
         c. wELCOME!!Python   c. none

22   What will be the output after the following statements?
```
x = 25
if x >= 10 and x <= 15:
   print('true')
elif x >= 15 and x <= 25:
   print('not true')
elif x >= 25 and x <= 35:
   print('false')
else:
   print('not false')
```

a. true   b. false   c. not true   d. not false

23   What will be the output after the following statements?
      x, y = 2, 5
      while y - x < 5:
        print(x*y, end=' ')
        x += 3
        y += 4
      a. 1045   b. 10 45   c. 34   d. 3 4 10 45

24   What will be the output after the following statements?
      x = 1
      while x < 4:
        x += 1
        y = 1
        while y < 3:
           print(y, end=' ')
           y += 1
      a. 1 1 2 2   b. 1 1 2 2 3 3 4 4
      c. 1 2 3 4   d. 1 2 1 2 1 2

25   What will be the output after the following statements?
      for i in range(1,5):
        if i == 3:
           continue
      print(i, end=' ')
      a. 1 2 4   b. 1 2 3 4   c. 1 2   d. 1 2 3

26   Which of the following is not a core data structure in Python?
      a. List   b. Module   c. Dictionary   d. Tuple

27   What will be the output after the following statements?
      b = 1
      for a in range(1, 10, 3):
        b += a + 1
      print(b)
      a. 14   b. 16   c. 20   d. 25

28   Identify the following valid identifiers.
        i.   Name
       ii.   Roll_No
      iii.   Sr.No
       iv.   Roll-No
        v.   break
       vi.   elif
      vii.   DoB

29   Identify the valid identifiers from the given
      a. i,iv   b. i, ii and vii   c. i, ii and iv   d. i and ii

30   Identify the valid identifiers from the given
        a. i,iv   b. i, ii and vii   c. i, ii and iv   d. i and ii

31   Evaluate the following expressions.
      X = 4/2 * 2 + 16/8 + 5
      Y = 3 * 4/2 + 2/2 + 6 - 4 + 4/2
      a. X=9.0, Y=11.0   b. X=11.0, Y=9.0
      c. X=11.0, Y=11.0   d. X=9.0, Y=9.0

32   **Find the output**
```python
def Call(P=40,Q=20):
 P=P+Q
 Q=P-Q
 print(P,'@',Q)
 return P
R=200
S=100
R=Call(R,S)
print (R,'@',S)
S=Call(S)
print(R,'@',S)
```

A	300 @ 200	B	300 @ 200	C	300 @ 200	D	300 @ 200
	300 @ 100		300 @ 120		300 @ 100		300 @ 120
	120 @ 100		120 @ 100		100 @ 100		100 @ 100
	300 @ 120		300 @ 120		300 @ 120		300 @ 120

33   Read the following statement and choose the correct statement(s).
      (I) In Python, you don't have to mention the specific data types while
      defining function.
      (II) Python keywords can be used as function name.
      (a) I is correct and II is wrong   (b) Both are correct
      (c) I is wrong and II is correct   (d) Both are wrong

34   A named blocks of code that are designed to do one specific job is called
      as
      (a) Loop   (b) Branching   (c) Function   (d) Block

35   Which of the following keyword is used to begin the function block?
      (a) define   (b) for   (c) finally   (d) def

36   **The** condition in the if statement should be in the form of
      A) Arithmetic or Relational expression
      B) Arithmetic or Logical expression

C) Relational or Logical expression
D) Arithmetic

37   What is the output of the following snippet?
```
i=1
while True:
if i%3 ==0:
break
print(i,end='')
i +=1
```
A) 12   B) 123   C) 1234   D) 124

38   **What** is the output of the following snippet?
```
T=1
while T:
print(True)
break
```
A) False   B) True   C) 0   D) 1

39   **Which** of the following is the output of the following python code?
```
str1="TamilNadu"
print(str1[::-1])
```
(a) Tamilnadu   (b) Tmlau   (c) udanlimaT d) udaNlimaT

40   What will be the output of the following code?
```
str1 = "Chennai Schools"
str1[7] = "-"
```
(a) Chennai-Schools   (b) Chenna-School
(c) Type error   (D) Chennai

41   What will be the output of the given python program?
```
str1 = "welcome"
str2 = "to school"
str3=str1[:2]+str2[len(str2)-2:]
print(str3)
```
    a. weool   b. weol   c. well   d. welol

42   Which of the following statement is not correct?
(a) A list is mutable
(b) A tuple is immutable.
(c) Te append() function is used to add an element.
(d) Te extend() function is used in tuple to add elements in a list.

43   If List=[10,20,30,40,50] then List[2]=35 will result
(a) [35,10,20,30,40,50]   (b) [10,20,30,40,50,35]
(c) [10,20,35,40,50]   (d) [10,35,30,40,50]

44   If List=[17,23,41,10] then List.append(32) will result
(a) [32,17,23,41,10]   (b) [17,23,41,10,32]

(c) [10,17,23,32,41]   (d) [41,32,23,17,10]

45   Which of the following Python function can be used to add more than one
       element within an existing list?
       (a) append()   (b) append_more()   (c)extend() (d) more()

46   What will be the result of the following Python code?
       S=[x**2 for x in range(5)]
       print(S)
       (a) [0,1,2,4,5] (b) [0,1,4,9,16] (c) [0,1,4,9,16,25] (d) [1,4,9,16,25]

47   Assuming a user enters "28" as their favorite number what is the output
       of the following program?
       num = input("Please enter your favorite number")
       if num == 28:
          print("that's the number of days in February during a non-leap year.")
       elif num == "28":
          print("that's a very nice cucumber.")
       else :
          print("whoops!")
       a. that's the number of days in February during a non-leap year
       b. that's a very nice cucumber
       c. whoops!
       d. none

48   If we wanted this code to output the numbers 4, 6, 8, what would we put
       in the blanks spots?
       for i in range(__, __, __):
          print(i)

       a. 4, 6, 8   b. 4, 6, 9   c. 4, 8, 2   d. 4, 9, 2

49   What will be the output of the following Python code?
       a= [1, 2, 3, 4, 5]
       for i in range(1, 5):
           a[i-1] = a[i]
       for i in range(0, 5):
          print(a[i],end = " ")
       a) 5 5 1 2 3   b) 5 1 2 3 4   c) 2 3 4 5 1   d) 2 3 4 5 5

50   What will be the output of the following Python code?
       print('abcdefcdgh'.partition('cd'))
       a) ('ab', 'cd', 'ef', 'cd', 'gh')   b) ('ab', 'cd', 'efcdgh')
       c) ('abcdef', 'cd', 'gh')   d) error

51   What is the output of the following?

print("xyyzxyzxzxyy".count('yy', 2))
a)2   b) 0   c)1   d)error

52   What is the output of the expression : 3*1**3
        a)27   b)9   c)3   d)1

53   Given a string s = "Welcome", which of the following code is incorrect?
        a) print s[0]   b) print s.lower()
        c) s[1] = 'r'   d) print s.strip()

54   What is the output of the following program :
        i = 0
        while i < 3:
        print i
        i++
        print i+1
        a)0 2 1 3 2 4   b) 0 1 2 3 4 5   c)Error   d)1 0 2 4 3 5

55   Suppose list1 is [3, 4, 5, 20, 1, 5, 25, 1, 3, 1], what is list1 after
            list1.pop(1)?
        a)[3,4,5,20,5,25,1,3,1]   b)[3,4,5,20,1,5,25,1,3]
        c)[3,5,20,1,5,25,1,3,1]   d)[3,4,5,20,1,5,25,3,1]

56   What is the output of the following segment :
        chr(ord('A'))
        a)a   b)A   c)65   d)97

57   What is the output of the following?
        print('xyyzxxyxyy'.lstrip('xyy'))
        a) error   b) zxxy   c) z   d) zxxyxyy
58   What will be the output?
        >>>m = [[x, x + 1, x + 2] for x in range(0, 3)]
        a) [[1, 2, 3], [4, 5, 6], [7, 8, 9]].   b) [[0, 1, 2], [1, 2, 3], [2, 3, 4]].
        c) [1, 2, 3, 4, 5, 6, 7, 8, 9].   d) [0, 1, 2, 1, 2, 3, 2, 3, 4]

59   Which of these in not a core data type?
        a) Lists   b) Dictionary   c) Tuples   d) Class

60   List a is defined as follows:
        a= [1, 2, 3, 4, 5]
        Which of the following statements removes the middle element 3 from it
        so that the list a equals [1, 2, 4, 5]?
        A. del a[2]
        B. a[2:3] = [ ]
        C. a[2:2] = [ ]
        D. a[2] = [ ]

E. a.remove(3)

a) B, D, E   b) A, C, D   c) C, D, E   d) A, B, E