****

Periodic Test-II

 Computer Science(Code083)

 Class: XI Date:10.11.22

 Time:1hr 45 mins Marks:40

 General Instructions:

 1.This question paper contains two parts A and B.Each part is Compulsory.

 2.Part-A has 3 sections:

a.Section-I is one mark questions,to be answered in one word.

b.Section-II is short answer question of 2 marks each in which two question have internal options.

 c.Section-III is very long answer questions of 5 marks each in which one question has internal option.

## Part-A

# Section-I

 **Choose the best possible option.**

1.list1 = [1, 2, 3, 4, 5]

list2 = list1

list2[0] = 0;

print( list1)

a) [1, 2, 3, 4, 5, 0] b) [0,1, 2, 3, 4, 5] c) [0, 2, 3, 4, 5] d) [1, 2, 3, 4, 0]

2. **Find the output:**

list = [1, 2, 3, None, (1, 2, 3, 4, 5), [‘Hi’, ‘Hello’, ‘Bye’]]

print(len(list))

a) 12 b) 11 c) 22 d) 6

3. **Find the output :**

list = [‘python’, ‘learning’, ‘@’, ‘cbse’, ‘python’, ‘.in’]

print(list[0:6:2])

a) [‘python’, ‘@’, ‘python’] b) [‘python’, ‘learning’, ‘@’]

c) [‘python’, ‘learning’, ‘@’, ‘python’, ‘in’] d) [‘python’, ‘in’]

4.Which of the following creates a tuple?

A. tuple1=(5)\*2

B. tuple1=("a","b")

C. tuple1[2]=("a","b")

D. None of the above

5. **Find the output:**

list = [‘a’, ‘b’, ‘c’, ‘d’, ‘e’]

print(list[10:] )

a) [‘a’, ‘b’, ‘c’, ‘d’, ‘e’]

b) [ ‘c’, ‘d’, ‘e’]

c) [ ]

d) [‘a’, ‘b’]

5. **Find the output:**

d1 = [10, 20, 30, 40, 50]

d2 = [1, 2, 3, 4, 5]

print( d1 – d1 )

a) [10, 20, 30, 40, 50]

b) [1, 2, 3, 4, 5]

c) [10, 20, 30, 40, 50,-1, -2, -3, -4, -5]

d) No Output

* 6. If a=(1,2,3,4), a[1:-1] is \_\_\_\_\_\_\_\_\_
* A. (2,3)
* B. [2,3]
* C. (2,3,4)
* D. Error, tuple slicing doesn’t exist

7.Write the output of the following:

* What will be the output of the following Python code snippet?
a={1:"A",2:"B",3:"C"}
for i,j in a.items():
print(i,j,end=" ")
* A. 1 2 3
* B. A B C
* C. 1 A 2 B 3 C
* D. 1:”A” 2:”B” 3:”C”
* 8. Which of the following is correct with respect to above Python code?
d={"a":3,"b":7}
* A. a dictionary d is created.
* B. a and b are the keys of dictionary d.
* C. 3 and 7 are the values of dictionary d
* D. All of the above.
* 9.Which of the following is not a declaration of the dictionary?
* A. { }
* B. {1,”A”,2”B”}
* C. {1: ‘A’, 2: ‘B’}
* D. dict([[1,”A”],[2,”B”]])

10. **Find the output :**

L1 = [1, 2, 3, 4]

L2 = L1

L3 = L1.copy()

L4 = L1

L1[0] = [5]

print(L1, L2, L3, L4)

a) [5, 2, 3, 4] [5, 2, 3, 4] [1, 2, 3, 4] [1, 2, 3, 4]

b) [[5], 2, 3, 4] [[5], 2, 3, 4] [[5], 2, 3, 4] [1, 2, 3, 4]

c) [5, 2, 3, 4] [5, 2, 3, 4] [5, 2, 3, 4] [1, 2, 3, 4]

d) [[5], 2, 3, 4] [[5], 2, 3, 4] [1, 2, 3, 4] [[5], 2, 3, 4]

# Section-II

11.i)How are lists different from the strings when both are sequences? 2

 ii) What are nested lists?

12.Write a program to find the largest/smallest number in a list/tuple 2

13.What is the difference between append() and extend() functions? 2

* 14.Write a program that reverses a list of integers 2

15.What are list slices? 2

16.Why is a dictionary termed as an unordered collection of objects? 2

17.What does fromkeys() method do?

18.i) What is the difference between (30) and (30,) 2

 ii)Write a program to print the index of the minimum element in a tuple.

19.What is the work of index method? Give one example program of it . 2

20.Differentiate between list,tuples and dictionary 2

**Section-III**

21. i. What is debugging?Explain in detail. 2

 ii. Write a program that reads two numbers and an arithmetic operator and displays the computed result. 3

22.i. Differentiate while and do-while. 2

 ii.How is break statement different from continue? 2

 iii.What is a statement?What is the significance of an empty statement? 1