Date:05/11/2024 **Grade: XI**	**MONTHLY TEST-2(2024-25)** **COMPUTER SCIENCE (083)**	**Max Marks:20** **Time:50 min.**

General Instructions:
All questions are compulsory

SECTION A

1.	Which of the following will return the last element of a list L with 5 elements? a. L[5] b. L[4] c. L[6] d. L[0]	1
2.	Predict the output of the following. print("Together with python 11".isalnum()) a. False b. True c. None d. Error	1

3.	What is the output of the following code?
	
	    t=(10,20,30,40,50,50,70)
	    print(t[5:-1])
	
	  a. Blank output b. (50,70) c. (50,50,70) d. (50,)
		1

4.	What is the output of the following code?
	
	  print("abcd acdegther".find('cd'))
	
	  a. True b. False c. 2 d.3
		1

5.	*ASSERTION AND REASONING* based question. Mark the correct choice as: a) Both A and R are true and R is the correct explanation of A. b) Both A and R are true but R is not the correct explanation of A. c) A is true but R is false d) A is false but R is true	1

	Assertion(A): Any comma-separated group of values creates a list. **Reason(R):** Only a group of comma-separated values or expressions enclosed in [], creates a list.	
	SECTION B	
6.	Assume the list: Letters=['a','b','o','c','p'] What would be displayed for each following expressions? a. print(Letters[2:5:2]) b. print(Letters[2:-5:-2]) c. print(Letters[2:-5:2]) d. print(Letters+["x"])	2
7.	Re-write the following code and under line each corrections. Tup=Tuple(input("Enter the tuple elements")) print(tup) print(Tup[0:] Tup==Tup*2	2
8.	Consider the following string mysubject and predict the output. mysubject="Computer Science" a. print(mysubject[0:len(mysubject)]) b. print(mysubject[-7:-1]) c. print(mysubject.isalpha()) d. print(mysubject.upper())	2
	SECTION C	
9.	Write the code for the following. tup1=(23,1,45,67,45,9,55,45) a. Display the index of 45. b. Display the length of the tuple. c. Display the total number of occurrences of 45. d. Display the highest element from the tuple. e. Display the total sum of the tuple. f. Display the tuple in sorted order.	3
10.	Write a program to read a string and find the length, replace letter R with T with and convert the entire string to lowercase. The string should be "INFORMATION". Then write the output of the same.	3

| 11. | What will be the output produced by the following code?<br><br>```python
Lst1=[0,1,[2]]
Lst2=[1,2,3]
print(Lst2*2)
Lst1[2][0]=3
print(Lst1)
Lst1[2].append(4)
print(Lst1)
print(Lst1+Lst2)
print(Lst1[2][1])
Lst1[2]=2
print(Lst1)
``` | 3 |