K.V. BARRACKPORE ARMY
CLASS XI-A
COMPUTER SCIENCE TEST (03-02-2021)

M.Marks : 40   **Time : 1Hr. 30 min**

<u>**Instruction:**</u>

- *Attempt all questions.*
- *Writing time from 11:00 to 12:30 noon*
- *Timing for updation in Google Classroom is: 12.30 to 01:00; After that it will not be acceptable.*

Q1. Write a python program to input a digit "0 to 9" and print it in words.   **[3]**

Q2. Rewrite the following code fragments using for loop: **[2]**

    i=100

    while (i>0):

        print(i)

        i= i -3

Q3. Write python programs using nested loops to produce the following patterns: **[3]**

    A

    A   B

    A   B   C

    A   B   C   D

    A   B   C   D   E

Q4. Write a program that asks the user for a string (only single space between words) and returns an estimate of how many words are in the string.   **[3]**

Q5. Write a program to input a string and print number of uppercase and lowercase letters in it.

                                                                                                                          [3]

Q6. Write a Python program to input a line of text and print the longer word (length wise) from it.

                                                                                                                          [3]

Q7. Find the output:-   **[2]**

    myList = [11,12,13,14,15,16,17,18,19,20]

```
for i in range (0, len(myList)):

    if i %2 = = 0:

        print (myList [i])
```

Q8. Rewrite the following code in python program after removing all syntax error(s). Underline each correction done in the code: **[2]**

```
30 = To

for k in range (0, To)

    IF k % 4 = = 0:

        print (k * 4)

    Else :

        print (k +3)
```

Q9. Find and write the output of the following Python code: **[3]**

```
for N in ['John', 'Rahul', 'Tanay', 'Shalini']:

    print (N)

    if N[0] = = 'T':

        break

    else:

        print( 'Completed')

print ('All the Best')
```

Q10. Write a python program that takes as input a tuple T and print the largest and second largest element of tuple T. **[3]**

Q 11. Write a program to print the maximum, minimum, sum of keys of numbers dictionary as given below: **[3]**

  numbers = {1:111, 2:222, 3:333, 4:444}

Also individually find minimum, maximum, and sum of values.

Q12. Write a python program to search for an element in a given list of numbers. The list must be received from user. And the element that need to be searched in the list must be received from the user. **[3]**

Q13. A tuple stores marks of a student in 5 subjects. Write a program to calculate the grade of the student as per the following: **[3]**

average	grade
>= 75	'A'
60 to 74	'B'
50 to 59	'C'
< 50	'D'

Q 14. Write a python program that receive a string from user and print the number of occurrences of each word in the inputted string (ignoring the case sensitive) **[4]**

For example: Suppose the string is :

This is a python programming

Python programming is fun

 Now the output should be:

this occurs 1 times

is occurs 2 times

a occurs 1 times

python occurs 2 times

programming occurs 2 times

fun occurs 1 times