UNIT II EXAMINATION : 2021-22
Class - XI (CBSE)
Subject - Computer Science (083)

Time : 2 hrs.   M.M.: 35

General Instructions :
- *Attempt all the questions.*
- *Programming language is Python.*

Q.1- What type of objects can be used as keys in dictionaries? [1]

Q.2- What is an empty list? [1]

Q.3- Which one is mutable between tuple and list? [1]

Q.4- Explain sort( ) function of list. [1]

Q.5- In order to store values in terms of key and value which data type is used? [1]

Q.6- What is the output of the following code : [1]

```
D1 = {"a" :40, "b" ,70}
print(a" in D1)
```

Q.7- Find the output of following Python code. [1]

```
a = [14, 56, 17]
a.append(80)
a.extend([40,68])
print(a)
```

Q.8- Dictionary is declared with : [1]

   a. {}   b. []   c. ()   d. None of these

Q.9- What is the difference between (30) and (30,)? [1]

Q.10- Which function is used to insert element at any position in a list? [1]

Q.11- Differentiate between list and tuple. [2]

Q.12- What will be the output of the following python code? [2]

```
lst = [1, 2, 3, 4, 5]
for l in range(1, 5):
    a[i – 1] = a[i]
for I in range(5):
    print(a[i], end =" ")
```

Q.13- What is list slicing? Explain with example. [2]

OR

Differentiate between pop( ) and remove function of list..

Q.14- What will be the output of following python code? [2]

```
tup = ( )
if(i > 0):
    tup = tup + (i,)
print(tup)
```

Q.15- What is the output of the following? [2]

```
dry = {0: 'a', 1: 'b', 2: 'c'}
for x, y in dry. items( ):
    print(x, y, end = ")
```

This paper consists of 2 printed pages.

Q.16- What will be the output of following python code? [3]

```
colors = ["violet", "indigo", "blue", "green", "yellow", "orange", "red"]
del colors [4]
colors.remove("blue")
colors.pop(3)
print(colors)
```

Q.17- Write a Program to input a list of integers and print all the prime numbers. [3]

OR

Write a python program which receives a list of strings from the user and print the longest string?

Q.18- Find and write the output of the following Python code: (3) [3]

```
L = ["X", 20, "Y", 10, "Z", 30]
CNT = 0
ST = " "
INC = 0
for C in range(1, 6, 2) :
CNT = CNT + C
ST = ST + L[C - 1] + "@"
INC = INC + L[C]
print(CNT, INC, ST)
```

Q.19- Write a python program which stores month name and number of days in every month in form of key value pair in a dictionary then inputs a month name from the user and print display the number of days in that month.

Q.20- Write a python program which generates and stores first 10 members of [3] Fibonacci series in a tuple.

[3]

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