



Bhartiyam International School

Pre-Mid Term Assessment (2022-23)

Subject: Computer Science (Set-1)

Class: XII

Date: 12/07/2022

Max. Mark: 40

Name: _____

Roll No: _____

Duration: 90 Mins

1. Fill in the blanks

(1 x 5=5 Marks)

- a) There are two working modes through which you can execute Python programs, they are _____ and _____ .
- b) A _____ is the memory location used by a computer to store values.
- c) Python supports two types of data type conversion, they are _____ and _____ .
- d) A _____ object can be modified after it is created, whereas _____ objects cannot be modified after their creation in Python.
- e) An ordered set of instructions executed by a computer to carry out a specific task is called a _____ .

2. Write syntax for the following built in functions of *STRINGS*, *LIST* & *TUPLE*.

(1 x 10=10 Marks)

- i) len() ii) isalnum() iii) count() iv) strip() v) islower()
vi) append() vii) index() viii) sort() ix) max() x) pop()

3. Short answer type questions.

(2 x 5=10 Marks)

- a) What is the difference between a list and tuple? Give an example of each.
- b) Explain the extend function using suitable examples.
- c) List any two features of Python.
- d) Rewrite the following code in python after removing all the syntax error(s). Underline each correction done in the code.

```
30 = To
for K in range (o,To)
    IF k % 4 == 0:
        print (K*4)

    Else:
        print(K+3)
```

- e) Write the code to create the list of:

- a) Five vegetables b) First 10 natural numbers

4. Long answer type questions.

(5 x 3=15 Marks)

- a) What are the characteristics of Python dictionaries.
- b) Write a program to convert kilometers to miles.
- c) Write a program to print table of any number entered by user till 10.