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Roll No.

TBS-603

**B. SC. (CS) (SIXTH SEMESTER)
MID SEMESTER EXAMINATION,
April/May, 2022**

PROGRAMMING USING PYTHON

Time : 1½ Hours

Maximum Marks : 50

Note : (i) Answer all the questions by choosing
any *one* of the sub-questions.

(ii) Each sub-question carries 10 marks.

1. (a) Why do we use Python ? What are the
application areas of Python ?

10 Marks (CO1)

OR

- (b) What are the different key features of
Python ? Why is it called as interpreted
language ?

10 Marks (CO1)

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(2)

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2. (a) What is Indentation in Python ? Is it necessary to use indentation in Python ? Explain with example. 10 Marks (CO1)

OR

- (b) What are static and dynamically typed language ? How we say that Python is dynamically typed language ?

10 Marks (CO1)

3. (a) What is the major difference between tuples and lists in Python ?

10 Marks (CO2)

OR

- (b) What are the different data types supported by Python ? Explain each with example. 10 Marks (CO2)

4. (a) What are Dict and List comprehensions ? Explain with examples. 10 Marks (CO2)

OR

- (b) Explain with the help of example how we use Strings in Python ? 10 Marks (CO2)

(3)

5. (a) How many types of Iterative statements are present in Python ? Explain with examples. 10 Marks (CO2)

OR

- (b) Explain various operators used in Python. 10 Marks (CO2)

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