

Roll No.

Total Pages : 2

BT-3/D-21

43203

COMPUTATIONAL THINKING WITH PYTHON

Paper-PC-CS-CYS-205A

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt *five* questions in all, selecting at least *one* question from each unit. Each question carry equal marks.

UNIT-I

1. (a) Explain the advantages of Python programming. 10
- (b) Explain the tokens in Python. 5
2. (a) Write a short note on input/output in Python. 5
- (b) Describe the different data types in Python with examples. 10

UNIT-II

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3. Describe the following data structures in Python with the help of suitable examples :
 - (a) Tuples.
 - (b) Sets.
 - (c) Dictionaries. 15
4. What do you understand by loop control statements in Python ? Explain with examples. 15

UNIT-III

5. Discuss different types of function arguments in Python. 15
6. Explain the functions lambda, decorators and generators with the help of examples. 15

UNIT-IV

7. (a) How Python handles the exception. Explain with an example program. 8
- (b) Write a short note on calendars and clock files in Python. 7
8. Explain reading and writing in structured files in Python. 15

