

Roll No. \_\_\_\_\_

**3033**

**B. Tech. 3rd Semester (CSE)  
Examination – February, 2022**

**PYTHON PROGRAMMING**

**(Only for Dec.-2019 Re-Appeal Students)**

**Paper : FCC-CSE-207-C**

**Time : Three Hours ]**

**[ Maximum Marks : 75**

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

**Note :** Attempt *five* questions in all, selecting *one* question from each Unit. Question Number 1 is *compulsory*. All questions carry equal marks.

1. Write short notes on the following:      **2.5 × 6 = 15**
- (a) Interactive shell
  - (b) Literals
  - (c) Turtle operations

- (d) GUI
- (e) Abstract classes
- (f) Object

**UNIT - I**

- 2. (i) What are the basics of Python? Describe in detail. 8
- (ii) Describe the different numerical types in Python. 7
- 3. (i) What is string slicing? Explain it with a suitable example. 8
- (ii) How do you create and read the contents of a file in Python? 7

**UNIT - II**

- 4. (i) How do you remove an element from a list in Python? 8
- (ii) How do you add a new key in Python? 7
- 5. Describe the structure of a Python program in detail. 15

3003-2400-(P-3)/(O-9)/(22) (2)

- 6. What is Image Processing? Why we use Python for Image Processing? 15

- 7. What is GUI in Python and what is best GUI for Python? 15

**UNIT - IV**

- 8. Explain the following: 15
  - (i) Data model
  - (ii) Operator overloading
- 9. Describe the following: 15
  - (i) Sleeping threads
  - (ii) The Readers and Writers problem

3003-2400-(P-3)/(O-9)/(22) (3)