

## PAPER ID—10710

## B. Tech. EXAMINATION, 2023

(Second Semester)

OBJECT ORIENTED CONCEPTS AND  
PYTHON PROGRAMMING  
CSE/AI/IOT/CS all Computer

Time : 3 Hours

Maximum Marks : 70

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

Note : Attempt Five questions in all. Q. No. 1 is compulsory. All questions carry equal marks.

1. (a) Explain process of string.
- (b) Variables used in python.
- (c) What do you mean by immutable variables ?

- (d) Define dictionary literals.
- (e) Explain classes.
- (f) Define try block.
- (g) What do you mean by Tkinter module ?

2×7=14

2. Explain various types of variables and operators used in python. 14

3. (a) What is Scope in Python ? And also explain directories ? 7

- (b) Write a Python program to print all prime numbers less than 256. 7

4. What are lists and tuples ? What is the key difference between the two ? 14

5. What is Encapsulation in python ? Write a program using encapsulation in python programming ? 14

6. (a) Explain the operator overloading. 7
- (b) What do you mean by Classes and Instances ? 7

7. Write short notes on the following :

- (a) Creating simple GUI 5
- (b) Widget attributes 5
- (c) Event-driven programming paradigm. 4

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