

II B. Tech I Semester Supplementary Examinations, Feb/March - 2022
PYTHON PROGRAMMING

(Com to CSE & IT)

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**
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PART -A

1. a) Explain about keywords used in Python. (2M)
- b) What are Python assignment operators? Explain. (2M)
- c) Explain about built-in functions of tuple. (2M)
- d) Describe anonymous functions examples. (2M)
- e) Explain creating classes in Python with examples. (3M)
- f) Explain about GUI programming in python (3M)

PART -B

2. a) How to declare and call functions in Python programs? Illustrate with an example script. (7M)
- b) Summarize various operators, built-in functions and standard library modules that deals with Python's numeric type. (7M)
3. a) Describe Arithmetic Operators, Assignment Operators, Comparison Operators, Logical Operators and Bitwise Operators in detail with examples. (7M)
- b) Write Python code to determine whether the given string is a Palindrome or not using slicing. (7M)
4. a) Discuss about tuples in Python. (7M)
- b) Discuss about list and dictionary comprehensions in Python. (7M)
5. a) Write Python Program to Calculate Area and Perimeter of different Shapes using Polymorphism. (7M)
- b) Explain about required and variable-length arguments. (7M)
6. a) What do you mean by a constructor? List and describe various constructors used for converting to different data types. (7M)
- b) Explain inheritance class with suitable example in Python. (7M)
7. a) Explain briefly about thread and threading module objects in Python. (7M)
- b) Why testing is required? Explain about unit testing and running testing in Python. (7M)