

**II B. Tech I Semester Supplementary Examinations, January - 2023**  
**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 Marks:14**

1. a) Define implicit conversion. (3M)
- b) Why is \* called string repetition operator? (2M)
- c) What are the features of tuple data structure? (2M)
- d) Define fruitful functions in Python. (2M)
- e) What is class instantiation? (3M)
- f) What is the purpose of tracer() method of turtle? (2M)

**PART –B Marks:56**

2. a) What are different applications of Python? Give examples (7M)
- b) What are literals? Explain with the help of examples. (7M)
3. a) What are the different loop control statements available in Python? Explain with suitable examples. (7M)
- b) Write a Python program that calculates number of seconds in a day. (7M)
4. a) What is a tuple? How literals of type tuple are written? (7M)
- b) Explain the Python Dictionary Comprehension with examples. (7M)
5. a) List out the types of Modules and Explain any two types in detail. (7M)
- b) Explain installing packages via PIP. (7M)
6. a) Explain how to implement inheritance in Python. (7M)
- b) How to handle an exception using try except block? Explain with the help of a program. (7M)
7. a) What is multithreading? Discuss about starting a new thread. (7M)
- b) Write a Python program to move the turtle forward and then backward after a delay of 2 seconds. (7M)