

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
 (AUTONOMOUS)

MCA I Year II Semester Regular & Supplementary Examinations June/July-2025
PYTHON

Time: 3 Hours

Max. Marks: 60

(Answer all Five Units $5 \times 12 = 60$ Marks)

UNIT-1

1. a) Choose various operators of Arithmetic and Comparison. [6M]
 b) Design a python program to demonstrate logical operator. [6M]

OR

2. List and explain various data types in python. With example. [12M]

UNIT-2

3. a) How can we create and access the tuple in python. [6M]
 b) Identify various methods performed on tuple. [6M]

OR

4. Classify various slicing operations on a data structure [12M]

UNIT-3

5. a) What is an Error? Explain types of errors. [6M]
 b) Compare and explain various built -in exception in python. [6M]

OR

6. Discuss object oriented programming in python with creation of class and object. [12M]

UNIT-4

7. a) Calculate Cumulative Sum of a Numeric Object in R Programming [4M]
 b) Construct a list data object with an example in R. [8M]

OR

8. Demonstrate the Help Command in R Language. [12M]

UNIT-5

9. a) Differentiate Plots and Charts in the Graphical Analysis. [6M]

b) Draw a pie chart for the following data

[6M]

OR

10. Explain different ways to copy graphics to other applications.

[12M]