

O.P.Code: 24mca109	Regulation 2021	H.T.No.																	
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## 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 x 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]