

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

OR

2. a) Describe the need of python. [4M]
b) List out various applications of python. [8M]

UNIT-2

3. a) Illustrate the fruitful functions in python with example. [6M]
b) Discuss about Anonymous functions in python with an example. [6M]

OR

4. a) How can we create and access the list in python. [6M]
b) Identify various methods to perform on list. [6M]

UNIT-3

5. a) Discuss in detail about polymorphism in python. [6M]
b) Explain method overriding in python with an example program. [6M]

OR

6. a) Discuss how we can raise an exception. [6M]
b) Write a simple program which illustrates Handling Exceptions. [6M]

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. Develop a complicated data object and discuss viewing in that object. [12M]

UNIT-5

9. Identify and explain various types of Graphical Data Analysis.

[12M]

OR

10. a) Explain the importance of bar charts with examples .

[6M]

b) Discuss Line charts using numeric data.

[6M]