

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) Describe various features of a python. [6M]
- b) Explain in brief about the application of python. [6M]

OR

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

UNIT-2

3. a) What is a function? Explain how we can create a function. [6M]
- b) Explain different ways to pass arguments in a function. With 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) Explain encapsulation in python with an example. [6M]
- b) What is init method in python? Explain with example. [6M]

OR

6. How does inheritance work in python? Explain it with an example. [12M]

UNIT-4

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

OR

8. a) What are the various Command Packages in R? [6M]
- b) How to Get Extra Packages of R Commands ? [6M]

UNIT-5

9. Choose the following data2
> data2

OR

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

[12M]