

**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) 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]