

**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 input -output in python with example.
- b) Explain indentation with example. [7 Marks]

**OR**

2. Develop a python program to demonstrate break and continue statements. [12 Marks]

**UNIT-2**

3. a) What is a function? Explain how we can create a function.
- b) Explain different ways to pass arguments in a function. With example [6 Marks]

**OR**

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

**UNIT-3**

5. Discuss object oriented programming in python with creation of class and object. [12 Marks]

**OR**

6. a) How a class and an object can be created in python.
- b) Create a Student class and initialize it with name and roll number. Design methods for i) Display to display all the information of the student.
- ii) setAge to set the age of the student.
- iii) setMarks to assign marks to the student. [4 Marks]

**UNIT-4**

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

**OR**

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

**UNIT-5**

9. a) Categorize Statistic commands that produce a Single Value as a Summary .  
b) List out Summary of Commands to Add Names to Rows and Columns of Data Objects [6 Marks]

**OR**

10. a) Explain the importance of bar charts with examples .  
b) Discuss Line charts using numeric data. [6 Marks]