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. [12 Marks]

OR

2. a) Demonstrate for and while statements in python with example.
b) Build a python program to check given number is positive or negative or zero. [6 Marks]

UNIT-2

3. a) How can we create and access the set in python.
b) Identify various methods to perform on set. [6 Marks]

OR

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

UNIT-3

5. a) Explain encapsulation in python with an example.
b) What is init method in python? Explain with example. [6 Marks]

OR

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

UNIT-4

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

OR

8. Illustrate various Mathematical Operations available in R Language. With example. [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. Explain different ways to create several graphs in one window.
Prepared by:
Assistant Professor/ MCA [12 Marks]