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) Describe the need of python.
b) List out various applications of python. [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 [12 Marks]

OR

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

UNIT-3

5. a) Discuss how we can raise an exception.
b) Write a simple program which illustrates Handling Exceptions. [12 Marks]

OR

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

UNIT-4

7. a) List the functions for reading data into R.
b) List the functions for writing data to files in R. [12 Marks]

OR

8. a) Identify different ways to select and display parts of a Vector Object.
b) How can we rearrange the items in a vector? [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 [12 Marks]

OR

10. a) Explain the importance of bar charts with examples .
b) Discuss Line charts using numeric data. [12 Marks]