

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.
- b) Explain in brief about the application of python. [12 Marks]

OR

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

UNIT-2

3. Distinguish various types of arguments with example program in python . [12 Marks]

OR

4. a) How can we create and access the list in python.
- b) Identify various methods to perform on list. [12 Marks]

UNIT-3

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

OR

6. Differentiate error and exception with an example program. [12 Marks]

UNIT-4

7. a) Calculate Cumulative Sum of a Numeric Object in R Programming
b) Construct a list data object with an example in R. [12 Marks]

OR

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

UNIT-5

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

OR

10. a) Differentiate Plots and Charts in the Graphical Analysis.
b) Draw a pie chart for the following data [12 Marks]