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

OR

2. a) Describe the need of python.   [4M]
b) List out various applications of python.   [8M]

UNIT-2

3. a) Illustrate the fruitful functions in python with example.   [6M]
b) Discuss about Anonymous functions in python with an 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. Discuss object oriented programming in python with creation of class and object.   [12M]

OR

6. a) Discuss in detail about polymorphism in python.   [6M]
b) Explain method overriding in python with an example program.   [6M]

UNIT-4

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

OR

8. a) Differentiate between Vector, List, Matrix, and Data frame.   [4M]
b) What is a vector in R? Explain different ways to create a vector.   [8M]

UNIT-5

9. a) Differentiate Plots and Charts in the Graphical Analysis. [6M]
b) Draw a pie chart for the following data [6M]

OR

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