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

OR

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

UNIT-2

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

OR

4. Compare and explain various data structures in python with examples.   [12M]

UNIT-3

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

OR

6. a) Discuss how we can raise an exception.   [6M]
   b) Write a simple program which illustrates Handling Exceptions.   [6M]

UNIT-4

7. a) List the functions for reading data into R.   [6M]
   b) List the functions for writing data to files in R.   [6M]

OR

8. a) What are the various Command Packages in R?   [6M]
   b) How to Get Extra Packages of R Commands ?   [6M]

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. Explain different ways to create several graphs in one window.   [12M]