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) Describe various features of a python.
b) Explain in brief about the application of python. [12 Marks]

OR

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

UNIT-2

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

OR

4. Differentiate and explain local and global variable with an example python program. [12 Marks]

UNIT-3

5. a) Explain encapsulation in python with an example.
b) What is init method in python? Explain with example. [12 Marks]

OR

6. a) Illustrate class inheritance in Python with an example
b) Write a python program to find the area of a cone and circle using inheritance. [12 Marks]

UNIT-4

7. a) How do we convert matrix to data frame in R? Explain with example.
b) How do we convert data frame into a matrix? Explain with example [12 Marks]

OR

8. Demonstrate the Help Command in R Language. [12 Marks]

UNIT-5

9. Choose the following data2
> data2 [12 Marks]

OR

10. Explain different ways to create several graphs in one window.
Prepared by:
Mr. J. S. ANANDA KUMAR
Assistant Professor/ MCA [12 Marks]