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 input -output in python with example.
b) Explain indentation with example. [12 Marks]

OR

2. Compare and explain the following operators with an example
i) Assignment ii) Membership iii) Identify [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 set in python.
b) Identify various methods to perform on set. [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. 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) What are the various Command Packages in R?
b) How to Get Extra Packages of R Commands ? [12 Marks]

OR

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

UNIT-5

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

OR

10. 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]