

O.P.Code: 24mca109

Regulation 2021

H.T.No.

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) Explain various looping statements in python.
- b) Develop a python program to display numbers up to given number. [12 Marks]

OR

2. a) Demonstrate for and while statements in python with example.
- b) Build a python program to check given number is positive or negative or zero. [12 Marks]

UNIT-2

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

OR

4. Illustrate modules in python with an example [12 Marks]

UNIT-3

5. a) Discuss in detail about polymorphism in python.
- b) Explain method overriding in python with an example program. [12 Marks]

OR

6. Discuss object oriented programming in python with creation of class and object. [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. Illustrate various Mathematical Operations available in R Language. With example. [12 Marks]

UNIT-5

9. Identify and explain various types of Graphical Data Analysis. [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]