

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) Describe input -output in python with example.
- b) Explain indentation with example. [7 Marks]

OR

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

UNIT-2

3. a) What is a function? Explain how we can create a function.
- b) Explain different ways to pass arguments in a function. With example [6 Marks]

OR

4. Classify various slicing operations on a data structure [12 Marks]

UNIT-3

5. Discuss object oriented programming in python with creation of class and object. [12 Marks]

OR

6. a) How a class and an object can be created in python.
- b) Create a Student class and initialize it with name and roll number. Design methods for i) Display to display all the information of the student.
ii) setAge to set the age of the student.
iii) setMarks to assign marks to the student. [4 Marks]

UNIT-4

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

OR

8. Develop a complicated data object and discuss viewing in that object. [12 Marks]

UNIT-5

9. 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 [6 Marks]

OR

10. a) Explain the importance of bar charts with examples .
b) Discuss Line charts using numeric data. [6 Marks]