

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. [6 Marks]

**OR**

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

**UNIT-2**

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

**OR**

4. a) How can we create and access the list in python.
- b) Identify various methods to perform on list. [6 Marks]

**UNIT-3**

5. a) What is an Error? Explain types of errors.
- b) Compare and explain various built-in exception in python. [6 Marks]

**OR**

6. Differentiate error and exception with an example program. [12 Marks]

**UNIT-4**

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

**OR**

8. a) What is R? List the features and applications of R.
- b) Explain the advantages and disadvantages of R. [6 Marks]

**UNIT-5**

9. a) Describe various commands of Cumulative measures in R .  
b) Calculate the cumulative values for the following sample data  
a <- c(1:9,4,2,4,5:2) [6 Marks]

**OR**

10. a) Differentiate Plots and Charts in the Graphical Analysis.  
b) Draw a pie chart for the following data [6 Marks]