

**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  $5 \times 12 = 60$  Marks)

**UNIT-1**

1. a) Explain various conditional statements in python.
- b) Develop a python program to find largest of two numbers. [6 Marks]

**OR**

2. a) Describe various features of a python.
- b) Explain in brief about the application of python. [6 Marks]

**UNIT-2**

3. a) Illustrate the fruitful functions in python with example.
- b) Discuss about Anonymous functions in python with an example. [6 Marks]

**OR**

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

**UNIT-3**

5. a) Discuss how we can raise an exception.
- b) Write a simple program which illustrates Handling Exceptions. [6 Marks]

**OR**

6. How do we access parent members in the child class? Explain with an example. [12 Marks]

**UNIT-4**

7. Illustrate various Mathematical Operations available in R Language. With example. [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) Why we use Wilcoxon U -Test? Identify the commands in it.  
b) Discuss Two -Sample and One -Sample in U -Test. [6 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 [6 Marks]