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**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 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]