

O.P.Code: 24mca109	Regulation 2021	H.T.No.													
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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) Describe input -output in python with example. [7M]
- b) Explain indentation with example. [5M]

**OR**

2. Compare and explain the following operators with an example
- i) Assignment ii) Membership iii) Identify [12M]

### UNIT-2

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

**OR**

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

### UNIT-3

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

**OR**

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

### UNIT-4

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

**OR**

8. Demonstrate the Help Command in R Language. [12M]

### UNIT-5

9. a) Explain the importance of bar charts with examples .  
b) Discuss Line charts using numeric data.

[6M]

[6M]

**OR**

10. a) Identify and explain various t -test commands in r.  
b) Discuss Two -Sample t -Test with Unequal and Equal Variance.

[6M]

[6M]