

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 various features of a python. [6M]
- b) Explain in brief about the application of python. [6M] [12 Marks]

**OR**

2. a) Explain various conditional statements in python. [6M]
- b) Develop a python program to find largest of two numbers. [6M] [12 Marks]

### UNIT-2

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

**OR**

4. a) How can we create and access the list in python. [6M]
- b) Identify various methods to perform on list. [6M] [12 Marks]

### UNIT-3

5. a) What is an Error? Explain types of errors. [6M]
- b) Compare and explain various built-in exception in python. [6M] [12 Marks]

**OR**

6. a) Discuss how we can raise an exception. [6M]
- b) Write a simple program which illustrates Handling Exceptions. [6M] [12 Marks]

### UNIT-4

7. a) What are the various Command Packages in R? [6M]
- b) How to Get Extra Packages of R Commands ? [6M] [12 Marks]

**OR**

8. a) Calculate Cumulative Sum of a Numeric Object in R Programming [4M]

b) Construct a list data object with an example in R. [8M] [12 Marks]

<b>UNIT-5</b>
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9. a) Explain the importance of bar charts with examples . [6M]

b) Discuss Line charts using numeric data. [6M] [12 Marks]

**OR**

10. Choose the following data2

> data2 [12 Marks]