

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) Explain various looping statements in python.
- b) Develop a python program to display numbers up to given number. [12 Marks]

OR

- 2. a) Describe input -output in python with example.
- b) Explain indentation with example. [12 Marks]

UNIT-2

- 3. Classify various slicing operations on a data structure [12 Marks]

OR

- 4. Differentiate and explain local and global variable with an example python program. [12 Marks]

UNIT-3

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

OR

- 6. a) Illustrate class inheritance in Python with an example
- b) Write a python program to find the area of a cone and circle using inheritance. [12 Marks]

UNIT-4

7. Illustrate various Mathematical Operations available in R Language. With example. [12 Marks]

OR

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

UNIT-5

9. 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 [12 Marks]

OR

10. a) Identify and explain various t -test commands in r.
b) Discuss Two -Sample t -Test with Unequal and Equal Variance. [12 Marks]