

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) Choose various operators of Arithmetic and Comparison. [6M]
- b) Design a python program to demonstrate logical operator. [6M]

OR

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

UNIT-2

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

OR

4. Distinguish various types of arguments with example program in python . [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. How does inheritance work in python? Explain it with an example. [12M]

UNIT-4

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

OR

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

UNIT-5

9. a) Describe various commands of Cumulative measures in R .

[6M]

b) Calculate the cumulative values for the following sample data

a <- c(1:9,4,2,4,5:2)

[6M]

OR

10. a) Differentiate Plots and Charts in the Graphical Analysis.

[6M]

b) Draw a pie chart for the following data

[6M]