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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.
- b) Explain indentation with example. [7 Marks]

OR

- 2. a) Demonstrate for and while statements in python with example.
- b) Build a python program to check given number is positive or negative or zero. [6 Marks]

UNIT-2

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

OR

- 4. a) What is a function? Explain how we can create a function.
- b) Explain different ways to pass arguments in a function. With example [6 Marks]

UNIT-3

- 5. Discuss object oriented programming in python with creation of class and object. [12 Marks]

OR

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

UNIT-4

- 7. a) Identify different ways to select and display parts of a Vector Object.
- b) How can we rearrange the items in a vector? [7 Marks]

OR

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

UNIT-5

9. a) Differentiate Plots and Charts in the Graphical Analysis.
b) Draw a pie chart for the following data [6 Marks]

OR

10. a) Why we use Wilcoxon U -Test? Identify the commands in it.
b) Discuss Two -Sample and One -Sample in U -Test. [6 Marks]