

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 $5 \times 12 = 60$ 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]