

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. Compare and explain the following operators with an example
 i) Assignment ii) Membership iii) Identify

[12M]

OR

2. Develop a python program to demonstrate break and continue statements.

[12M]

UNIT-2

3. Distinguish various types of arguments with example program in python .

[12M]

OR

4. a) How can we create and access the tuple in python.
 b) Identify various methods performed on tuple.

[6M]

[6M]

UNIT-3

5. a) Explain encapsulation in python with an example.
 b) What is init method in python? Explain with example.

[6M]

[6M]

OR

6. a) Discuss how we can raise an exception.
 b) Write a simple program which illustrates Handling Exceptions.

[6M]

[6M]

UNIT-4

7. a) What are the various Command Packages in R?
 b) How to Get Extra Packages of R Commands ?

[6M]

[6M]

OR

8. a) How do we convert matrix to data frame in R? Explain with example.
 b) How do we convert data frame into a matrix? Explain with example

[3M]

[9M]

UNIT-5

9. a) Explain the importance of bar charts with examples .
b) Discuss Line charts using numeric data.

[6M]
[6M]

OR

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

[6M]
[6M]