

Q.P. Code: 19CS0501

R19

Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR  
(AUTONOMOUS)

B.Tech I Year II Semester Supplementary Examinations March- 2021

PYTHON PROGRAMMING

(Common to CE, EEE, ME & AGE)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

**UNIT-I**

- 1 a Define a flowchart and explain symbols used in it. 8M  
b What is Indentation? Explain with example. 4M

OR

- 2 a Explain about the input and output statements or methods with in Python. 8M  
b Describe variable assignment with a suitable example. 4M

**UNIT-II**

- 3 a List and explain various types of operators in Python. 8M  
b Write a Python program to find the given number is odd or even. 4M

OR

- 4 a Explain break and continue statements with the help of for loop in Python with an example. 7M  
b Implement Python program to find sum of natural numbers using for loop. 5M

**UNIT-III**

- 5 a Define a function and write a function to display ASCII Code of entered character in Python. 7M  
b Differentiate between global and local variables. 5M

OR

- 6 a Describe how an object is passed as parameter to a method. 6M  
b Narrate the concept of Polymorphism. 6M

**UNIT-IV**

- 7 a Define and explain modules in Python. 8M  
b What is searching? Explain with an example program. 4M

OR

- 8 a List and explain common Exception types in Python. 8M  
b Write a note on regular expressions. 4M

**UNIT-V**

- 9 a Explain about Python Files and operations that can be performed on files with examples. 8M  
b Describe about Data Management and Object Persistence. 4M

OR

- 10 a What is meant by Iterators and Generators? Explain. 6M  
b Discuss briefly about Python runtime services. 6M

\*\*\* END \*\*\*