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

B.Tech I Year I Semester Supplementary Examinations Feb-2021

PYTHON PROGRAMMING

(Common to ECE, CSE & CSIT)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Explain about the Single-Valued data types in python 6M
b Explain variable assignment with suitable example 6M

OR

- 2 a Implement the python program to calculate total and average marks based on input. 6M
b Explain the string and its methods with example. 6M

UNIT-II

- 3 a List various types of operators in Python and write any 3 types of operators. 8M
b Write a python program to find the given year is leap or not. 4M

OR

- 4 a Write a Python program to print prime number series up to N. 7M
b Explain break and continue statement with the help of for loop with an example. 5M

UNIT-III

- 5 a Compare class and object with python code 6M
b Describe how an object is passed as parameter to a method 6M

OR

- 6 a Write about class constructor(`__init__()`),self-variable 5M
b Write a function to Calculate the sum of digits of a given number both with recursion and without recursion. 7M

UNIT-IV

- 7 a List some common Exception types and explain when they occur. 6M
b What are packages? Give an example of package creation in Python. 6M

OR

- 8 a Explain package installation via PIP 6M
b What is matching? Explain with example program. 6M

UNIT-V

- 9 a Explain about command line arguments 4M
b Explain about reading and writing files in python 8M

OR

- 10 a Write about map and filter in Python? 8M
b What is Data Management and Object Persistence. 4M

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