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

M.Tech I Year I Semester Regular & Supplementary Examinations February 2018

**Programming in Python
(CSE)**

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a. "Python is a dynamically typed language". Justify this statement with an example. 6M
b. Explain file input and output operations with example 6M

OR

- 2 a. What are the features of Python programming? 6M
b. List and Explain types of built in numeric literals 6M

UNIT-II

- 3 a. What is object identity? How do we compare two objects in python 6M
b. Explain sequence and mapping methods with examples? 6M

OR

- 4 a. Explain about shallow copy and deep copy with examples 6M
b. What are the special methods for object creation, Destruct and representation 6M

UNIT-III

- 5 a. What are the operations can be applied on numbers. Explain with examples? 6M
b. Explain the scoping rules in function with examples? 6M

OR

- 6 a. List and explain various augmented assignment operators with example? 6M
b. Explain the control flow in python with suitable example? 6M

UNIT-IV

- 7 a. Explain briefly about classes and class instances with examples? 5M
b. What is package? How package are organed? Explain how to import packages 7M

OR

- 8 a. Explain about scoping rules in classes with suitable examples. How can we use scoping in Python and Java? 6M
b. How many ways a python source file can execute? Explain the execution process in python with examples? 6M

UNIT-V

- 9 a. Give and explain about python built in exceptions 6M
b. Explain about decimal module with suitable examples 6M

OR

- 10 a. How to use the 're' module to search for, extract data from and replace a text pattern in string. Explain with examples 6M
b. Write and explain about array module with suitable examples. 6M

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