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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)****M.Tech I Year I Semester (R16) Regular Examinations January 2017****PROGRAMMING IN PYTHON**

(Computer Science Engineering)

(For Students admitted in 2016 only)

Time: **3 hours**Max. Marks: **60**(Answer all Five Units **5 X 12 =60** Marks)**UNIT-I**

- Q.1** a. Explain about strings in Python with examples 6M
b. How can we create tuples in Python. Explain with examples. 6M

OR

- Q.2** a. What is Dictionary? Discuss briefly about dictionaries in python. 6M
b. Write a program for stack operations using class in python. 6M

UNIT-II

- Q.3** a. List and explain built in types for Data representation 6M
b. What are the operators and methods that you can apply to sequence types? 6M

OR

- Q.4** a. Write and explain about built in python types for program structure 6M
b. Define mapping object. Explain about mapping types with examples. 6M

UNIT-III

- Q.5** a. What are the operations can be applied on sequence? Explain with example? 6M
b. How functions are defined in python. Explain with suitable example? 6M

OR

- Q.6** a. "Function are first class objects in Python" .Explain with example. 6M
b. Write a short note on object quality and identity? 6M

UNIT-IV

- Q.7** a. Explain the inheritance concept with examples? 5M
b. "Python supports multiple inheritance". justify the statement with suitable examples? 7M

OR

- Q.8** a. Explain the operator overloading with suitable example 6M
b. How do we import selected symbols from a module? Explain with examples 6M

UNIT-V

- Q.9** a. What is abstract class? How to define simple abstract class with examples 7M
b. Write a short notes on string module with suitable examples 5M

OR

- Q.10** a. Write and explain about array module with suitable examples 7M
b. Explain about python's network programming with examples 5M

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