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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)****B. Tech II Year I Semester Supplementary Examinations November-2022
PYTHON PROGRAMMING**

CSE(Artificial Intelligence and Machine Learning)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Justify the REPL in python. L5 6M
 b Define Variable and mention rules for choosing names of Variable with example. L1 6M

OR

- 2 a Discuss the basic Tuple operations with examples. L2 6M
 b What is dictionary? Explain the methods available in dictionary. L1 6M

UNIT-II

- 3 a List and explain different arithmetic operators supported by Python. L1 6M
 b Explain the Bitwise operators with example. L2 6M

OR

- 4 a What is Range in Python? and Write a for loop that prints numbers from 0 to 17, using range function. L1 6M
 b Explain break and continue statement with the help of for loop with an example. L2 6M

UNIT-III

- 5 a Describe about default arguments with suitable program. L2 6M
 b Create recursive function to find factorial of a number. L5 6M

OR

- 6 a Demonstrate implementation of hierarchical inheritance in Python, with a program. L3 6M
 b How can we achieve method overloading? L1 6M

UNIT-IV

- 7 a What is package in Python? Explain, how can you use package in your program with an example code. L3 6M
 b Explain try except block in detail. L2 6M

OR

- 8 a Write about Errors and Exception Handling in Python programming. L3 6M
 b Elaborate user defined exceptions in Python. L1 6M

UNIT-V

- 9 a Illustrate about Command line arguments. L3 6M
 b Explain about the reading files in python. L2 6M

OR

- 10 a What is Data Management and Object Persistence? L1 6M
 b Draw Circle in Python using Turtle. L4 6M

*** END ***