

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

B.TECH 4th Semester COMPUTER ENGINEERING

Programming with Python (CSPE-22)

Mid Term-I (Online)

Duration: 40 Minutes

M.M 15

1. Explain the concept of scope and lifetime of variables in Python programming language with an example. Also, write Python program to perform a linear search for a given key number in the list and report Success or Failure. (4)
2. Input five integers (+ve and -ve). Write Python code to find the sum of negative numbers, positive numbers and print them. Also, find the average using simple formula and with the help of other efficient methods provided in python of all the numbers and also print the numbers above average. (4)
3. Discuss list and tuple in detail along with their uses and differences with the help of an example. (4)
4. Explain the use of join() and split() string methods with examples. Describe why strings are immutable with an example. (3)