



JSS MAHAVIDYAPEETHA
JSS ACADEMY OF TECHNICAL EDUCATION, NOIDA
DEPARTMENT OF EEE

Roll No.									
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CIA-I

Course : B.Tech
Semester : IV regular and lateral entry students
Subject : Python Programming
Time : 1:00-2:30

AY 2020-21 (Even Semester)
Date : 05/06/21
Subject Code : KIT-401
Max. Marks : 30

C204.1	Develop Python programs with conditionals and loops
C204.2	Develop Python programs using modular and object oriented approaches.
C204.3	Construct python programs using data structures such as strings, lists, tuples, sets and dictionaries
C204.4	Apply input/output operations with files in Python
C204.5	Apply searching, sorting and merging operations in Python

Q. No.	Questions	CO	BL
<u>PART- A: Attempt All Questions (5x1 = 5Marks)</u>			
1.	What is the difference between list and tuples in Python?	C03	
2.	What type of language is python?	C01	
3.	How is Python an interpreted language?	C01	
4.	What are local variables and global variables in Python?	C01	
5.	Explain the use of join() and split() string methods with examples. Describe why strings are immutable with an example.	C01	
<u>PART-B: Attempt ANY THREE Questions (3x5 = 15Marks)</u>			
6.	Write a python program to check whether a given year is a Leap Year or not.	C02	
7.	What is a Function? How to define & use a function in python explain with example.	C02	
8.	Describe Arithmetic Operators, Assignment Operators, Comparison Operators and Logical Operators in detail with examples.	C01	
9.	Explain the purpose and working of loops. Discuss Break and continue with example.	C01	
<u>PART-C: Attempt ANY ONE Question (1x10 = 10Marks)</u>			
10.	a) Write a program to check whether a given no is prime or not.	C02	
	b) Discuss tuples, lists and sets in detail including accessing, updating and functions provided.	C03	
11.	a) Write Python program to perform a linear search for a given Key number in the list and report Success or Failure.	C03	
	b) Write a python program to print Factorial of a number using Function.	C02	