

Enrolment Number: _____

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.TECH MID SEM EXAMINATION
3rd SEMESTER
ACY-2022-23

Python Programming (203105211)

Date: 05/08/2022

Time: 2.30 PM to 4.00 PM

Branch: CSE/IT

Total Marks: 40

Sr. No.		Marks
Q.1	(A) One line Questions	05
	1. Define indentation in python.	
	2. How can we convert a string to an int in python?	
	3. What will be the output of the following code snippet? <code>print(type(5 // 2))</code> <code>print(type(5 / 2))</code>	
	4. How can we comment in python program?	
	5. What is an identifier?	
	(B) Compulsory Question	05
	1. '+' operator is called _____ operator when used with strings.	
	2. What will be the value of the following Python expression? <code>5 - 2 + 3 % 6</code>	
	3. len() returns _____ of string.	
	4. Define Function.	
	5. Why do we use break keyword?	
Q.2	Attempt any four(Short Questions)	12
	(1) What are operators? Explain arithmetic operators.	
	(2) Explain recursion with suitable example.	
	(3) Explain about string slicing with examples.	
	(4) What is the output of the following code snippet? <code>print(2**3 + (19 // 6)**(1 + 1))</code>	
	(5) Define lambda function with suitable example.	
Q.3	Attempt any two	08
	(1) What are applications of Python Programming? Which python ides are used by you?	
	(2) What is a user-defined function? Explain with suitable examples.	
	(3) Explain if-else conditional block. Write a python program that reads a number and checks if the no is positive or negative.	
Q.4	(A) Explain the flow of 'for' loop and 'while' loop. Write a python program to print sum of even numbers up to 'n'.	05
	(B) Explain string data type. Also explain common functions provided by string library (like len(), count(), find(), replace(), etc).	05
	OR	
	(B) Write a python program to print Fibonacci series of 'n' numbers, where n is given by the programmer.	05