

Code No: P18CSO02

HALL TICKET NUMBER

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PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)

III B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH/APRIL - 2023
INTRODUCTION TO PYTHON PROGRAMMING
(CE Branch)

Time: 3 hours

Max. Marks: 60

Note: Question Paper consists of Two parts (Part-A and Part-B)

PART-A

Answer all the questions in Part-A (5X2=10M).

Q.No.	Questions	Marks	CO	KL
1.	a) Write steps to run a Python script.	[2M]	1	1
	b) What are the features of tuple data structure?	[2M]	2	1
	c) Define the scope and lifetime of a variable in Python.	[2M]	3	1
	d) What is class instantiation?	[2M]	4	1
	e) Give the advantages of multi-threading.	[2M]	5	1

PART-B

Answer One Question from each UNIT (5X10=50M)

Q.No.	Questions	Marks	CO	KL
UNIT-I				
2.	a) Discuss about variables and assignments.	[5M]	1	6
	b) Show how an input and output function is performed in python with an example.	[5M]	1	1
OR				
3.	a) Discuss about different keyword used in python.	[5M]	1	6
	b) Explain the Need of Python Programming and its python Applications.	[5M]	1	2
UNIT-II				
4.	a) Explain the precedence of operators in Python.	[5M]	2	2
	b) Write a Python program to find the given year is leap year or not.	[5M]	2	1
OR				
5.	a) Explain the Python Dictionary, Comprehension with examples.	[5M]	2	2
	b) What is a tuple? How literals of type tuple are written?	[5M]	2	1
UNIT-III				
6.	a) Describe about default arguments with suitable program.	[5M]	3	2
	b) Describe anonymous functions examples.	[5M]	3	2
OR				
7.	a) Explain about fruitful functions with examples.	[5M]	3	2
	b) Explain installing packages via PIP.	[5M]	3	2
UNIT-IV				
8.	a) Explain how to implement inheritance in Python.	[5M]	4	5
	b) How to handle an exception using try except block? Explain with the help of a program.	[5M]	4	5
OR				
9.	a) How to declare a constructor method in Python? Explain.	[5M]	4	2



	b)	What is the difference between else block and finally block in exception handling? Explain with an example program.	[5M]	4	2
UNIT-V					
10.	a)	Explain various String pattern matching functions in Python.	[5M]	5	5
	b)	Consider a Python GUI program that produces a window with the following widget using python code: A button to retrieve the next value in that list (if there is one). This button is displayed if there is no next value in the list	[5M]	5	6
OR					
11.	a)	Discuss about Turtle Graphics in python with examples.	[5M]	5	6
	b)	Discuss various file operations in python.	[5M]	5	6
