

PRAGATI ENGINEERING COLLEGE: SURAMPALEM
(AUTONOMOUS)
II B.Tech II Semester Regular/Supplementary Examinations-May -2024

PYTHON PROGRAMMING
(Common to EEE and ECE)

Time: 3 hours

Max. Marks: 70

Answer ONE Question from each Unit
 All Questions Carry Equal Marks

Q. No.	Questions	BTL	CO	Marks
UNIT – I				
1.	a) Outline Logical and Bitwise Operators in Python.	K2	CO1	7M
	b) Develop Python Program to check given number is Prime or not.	K3	CO3	7M
OR				
2.	a) Explain briefly about Type Conversion in Python.	K2	CO1	7M
	b) Illustrate Decision Structures of if-else and if-elif-else Statements with examples.	K2	CO1	7M
UNIT – II				
3.	a) What is the purpose of 'else' statements with for and while loops explain with examples.	K1	CO2	7M
	b) Implement Python program to Check given integer 'n' is palindrome or not.	K3	CO3	7M
OR				
4.	a) Define String and explain string functions with examples.	K2	CO2	7M
	b) Write a Python program to display even series up to given integer 'n'.	K3	CO3	7M
UNIT – III				
5.	a) Explain why List is called as mutable type, and outline various List methods with examples.	K2	CO3	7M
	b) Develop Python program to display first 'n' Fibonacci numbers using recursion.	K3	CO3	7M
OR				
6.	a) Examine the concept of Packages and modules with examples.	K4	CO3	7M
	b) How to perform insertion and deletion operations on Dictionaries explain.	K2	CO3	7M
UNIT – IV				
7.	a) Summarize basic file Operations with examples.	K2	CO3	7M
	b) Develop Python program to overload addition operator.	K3	CO4	7M
OR				
8.	a) What are the advantages of inheritance? Explain Single inheritance and Multi-level inheritance.	K2	CO4	7M
	b) How to read data from file explain with required methods.	K2	CO4	7M
UNIT – V				
9.	a) Write a Python program to create and handle user defined exceptions.	K3	CO5	7M
	b) Explain various useful resources in GUI Applications.	K2	CO5	7M
OR				
10.	a) Examine how to handle multiple exceptions in Python with example program.	K4	CO5	7M
	b) Develop simple GUI to illustrate the purpose of loops in Scratch.	K2	CO5	7M