BCA-2-02P: Python Programming Lab

Total Marks: 50
External Marks: 35
Internal Marks: 15
Credits: 2
Pass Percentage: 40%

Course: Python Programming Lab	
Course Code:BCA-2-02P	
Course Outcomes (COs)	
After the completion of this course, the students will be able to:	
CO1	Demonstrate proficiency in writing Python code to solve simple problems.
CO2	Use and manipulate basic data structures in Python, such as lists, tuples, and dictionaries.
CO3	Solve algorithmic problems using Python.
CO4	Utilize common Python libraries for specific tasks (e.g., NumPy for numerical computing, Pandas for data manipulation).
CO5	Use libraries for data manipulation, analysis, and visualization.

Detailed List of Programmes:

Programme No.	Name of Programme
P1	WAP to find the sum of two numbers
P2	WAP to find Area of Rectangle and Circle
P3	WAP to find Volume of Sphere
P4	WAP to find the maximum of three numbers in python
P5	WAP to print all the prime numbers between two numbers
P6	WAP to print FIBONACCI SERIES using WHILE Loop
P7	WAP to print FIBONACCI SERIES using FOR Loop
P8	WAP to calculate X^n by FOR Loop
P9	WAP to print FACTORIAL of List
P10	WAP to create a list of values inputted by user and sort in increasing order.
P11	WAP to find given number is PRIME or not.
P12	Demonstrate the use of polymorphism by creating different functions for sum.

P13	WAP to write an exception for divisibility of a number by 0.
P14	WAP to print the first 10 lines in text file using python
P15	Take a list of integers. WAP to find the pairs which give the minimum difference
P16	WAP to copy content from a file in a computer and paste it into another file.
P17	WAP to create a linked list using python
P18	Demonstrate the use of common Python libraries for specific tasks (e.g., NumPy for numerical computing, Pandas for data manipulation)
P19	Demonstrate the use of common Python libraries for data manipulation, analysis, and visualization.