ASSIGNMENT NO # 01
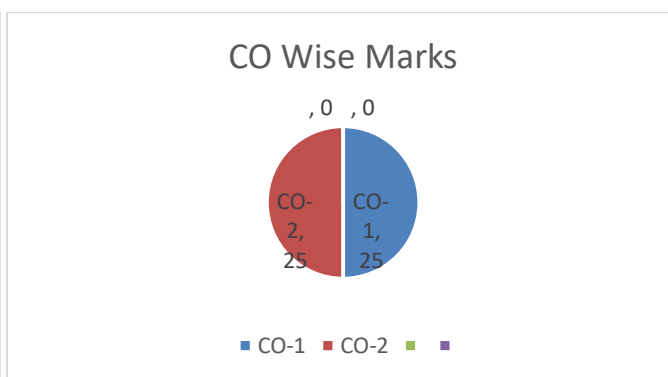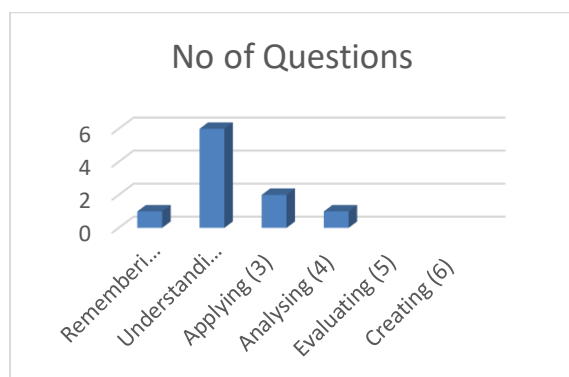
Sub- Python Programming (Code: *22CS5PC03T/22IT5PC03T/22CT5PC03T/ 22ELC5PC03T*)

Program: B. Tech   Semester: 5 (Batch-2023)

Due Date –2-09-2025   Full Mark-- 50

No of Questions

CO Wise Marks

Q No.	CO*	Level	(1) Remembering (2) Understanding (3) Applying (4) Analyzing (5) Evaluating (6) Creating	Marks
1	1	2	Explain any five features of Python that make it a popular programming language?	5
2	1	2	Write a Python program to find the largest of three numbers using conditional branching?	5
3	1	2	Differentiate between local variables and global variables in Python with an example?	5
4	1	3	Define a recursive function in Python to find the factorial of a number?	5
5	1	4	Explain the difference between return statement and print() function in Python with an example?	5

*CO1: To learn data models, conceptualize and depicts a database system using ER diagram.

*CO2: To learn about SQL queries.

6	2	1	Write a Python program to demonstrate the use of string formatting operator (%) and format() method?	5
7	2	2	Explain different file modes in Python with examples (r, w, a, r+)?	5
8	2	2	Write a Python program to demonstrate the use of string methods: upper(), lower(), split(), replace()?	5
9	2	2	Write a program that asks the user to input a sentence and print the first character of each word?	5
10	2	3	Write a program that prompts the user to input a Celsius temperature and outputs the equivalent temperature in Fahrenheit(F=9/5C + 32).	5

*CO1: To learn data models, conceptualize and depicts a database system using ER diagram.

*CO2: To learn about SQL queries.