Course: Diploma in Computer Engg. **Year/Sem:** IIIrd/VIth

Subject: Programming with Python **Code:** 22616

Chap 2: Python Operator & Control Flow Statements

1. Explain python operator in detail with example.
2. Define & explain membership & identity operators with example.
3. Explain the concept of python operator precedence in detail.
4. Explain conditional statement of python in detail with syntax & example.
5. Explain the concept of while and for using example. Give its syntax.
6. Why looping statements are required? Explain nested loop with syntax & example.
7. Explain continue, pass & break with respect to looping statements with syntax & example.
8. Write a simple python program to demonstrate arithmetic expression using different operators.
9. Write a program to check whether a number is even or odd
10. Write a program to find out absolute value of an input number
11. Write a program to check the largest number among the three numbers
12. Write a program to check if the input year is a leap year of not
13. Write a program to check if a Number is Positive, Negative or Zero
14. Write a program that takes the marks of 5 subjects and displays the grade
15. Write a Python program to print all even numbers between 1 to 100 using while loop.
16. Write a Python program to find the sum of first 10 natural numbers using for loop.
17. Write a Python program to print Fibonacci series.
18. Write a Python program to calculate factorial of a number
19. Write a Python Program to Reverse a Given Number
20. Write a Python program takes in a number and finds the sum of digits in a number.
21. Write a Python program that takes a number and checks whether it is a palindrome or not.
22. List identity operators.
23. Explain two Membership and two logical operators in python with appropriate examples.
24. Write a python program to print Fibonacci series up to n terms.
25. Write a python program to print Factorial of a number.
26. Mention the use of //, **, % operator in Python