Question Bank

Unit1

**Subject: Programming in Python ( CIE-332T)**

1. Write short note on origin of Python.
2. What is the need of Python Programming. Elaborate various features of Python Programming.
3. List and state various Python Programming environments.
4. How the Python program is implemented? Explain IDLE-Python Interpreter.
5. List and explain various operators used in Python (assignment, unary, binary, arithmetic, relational, logical, bitwise operator, membership operator)
6. Illustrate the use of if conditional statements (if, if-else, if-elif-else, nested if)
7. Differentiate between for loop and while loop with example.
8. Differentiate Between break and continue statement with example
9. Illustrate the comparison , logical and bitwise operator with example.
10. Explain the concept of strings with various slicing options.
11. What is Operator? Define identity operator with example.
12. Develop a python program to check if a year is leap year or not. .
13. Demonstrate the different types of control flow statements available in Python with flowcharts and suitable examples
14. Define Mutable and Immutable objects.
15. What is Operator? Define identity operator with example.
16. Differentiate between for loop and while loop . Explain Nested if statement with a suitable example.
17. What is an expression in Python? How do you enter an expression into the Python interactive shell?
18. Differentiate between import module and from module import \*.
19. Differentiate between the Python script mode and interactive mode.
20. Demonstrate process of installing external packages using pip.
21. What is the purpose of the sys.exit() function?
22. Difference between interactive mode and Script mode in Python.
23. Write a program to read the string and check whether it is a Palindrome or not?
24. What is the difference between the Python shell and a Python script?
25. Develop a python Program to swap two numbers without using third variable. Prompt the user for input.
26. Demonstrate the use of joint() and split() method in python with example.