

Course: Diploma in Computer Engg.

Year/Sem: IIIrd/VIth

Subject: Programming with Python

Code: 22226

Chap 1: Introduction & Syntax of Python

1. Explain feature of python in detail.(any 8)
2. Explain building blocks of python in detail with example.
3. Write a python script to print "Hello World" with your board name.
4. Explain python data types in detail with example.
5. Differentiate between List & Tuple with example.
6. Compare List & Dictionary with example.
7. Differentiate between Tuple & Dictionary with example.
8. Write a python code to print your name using script mode.
9. Write a python code to print MSBTE using interactive mode.
10. Write a python code to print addition of two numbers using interactive mode.
11. Explain command line argument in python.
12. Explain concept of memory view with syntax and example.
13. List & explain steps to install python IDE.
14. Write a program to convert U.S. dollars to Indian rupees.
15. Write a program to convert bits to Megabytes, Gigabytes and Terabytes
16. Write a program to find the square root of a number
17. Write a program to find the area of Rectangle
18. Write a program to calculate area and perimeter of the square
19. Write a program to calculate surface volume and area of a cylinder.
20. Write a program to swap the value of two variables.
21. Describe Python Interpreter.
22. Comparing between local and global variable
23. State how to perform comments in Python
24. Explain variable in Python with its rules and conventions for declaration?
25. Explain any 4 built-in numeric data types in Python?
26. Write the steps to install Python and to run Python code
27. Write a Python program to concatenate two strings