

ASIA PACIFIC BCA COLLEGE

Affiliated to Gujarat University

Subject : SEM-5 CC-302 & CC-305 Python Programming

UNIT-1 Beginning with Python, Data types, Operators, I/O and Control Statements

Theory: CC-302 Python Programming

1. Explain features of Python?
2. Short Note : PVM, Garbage collection
3. Difference between C and Python
4. Difference between JAVA and Python.
5. What is variable? Write rules for naming a variable.
6. What is operator? How many types of operators? Explain with example.
7. Explain Data types in Python.
8. What is type conversion? How many types of type conversion? Explain with example.

Practical: CC-305 Python Programming

1. Write a program to swap two numbers without taking a temporary variable.
2. Write a python program to find the sum of even numbers using command line arguments.
3. Write a menu driven python program which perform the following:
Find area of circle
Find area of triangle
Find area of square
Find area of rectangle
Find Simple interest.
4. Write a python program that asks the user to enter a length in centimeters. If the user enters a negative length, the program should tell the user that the entry is invalid. Otherwise, the program should convert the length to inches and print out the result. (2.54 = 1 inch).
5. Create student marksheet. (Enter Rollno,name and three subjects marks. Find Total,Average and Grade from them.)