

Introduction to Problem Solving and Programming

Answer all the Questions

Q. No.	Question Description	Marks
1	How an algorithm can be analysed? Illustrate with an example.	10
2	Draw a flowchart to check whether the given number is Armstrong number or not.	5
3	Compare and contrast interpreter with compiler.	5
4	Write a python program to construct a dictionary dynamically from a list where the keys are list items and the corresponding value is the no.of occurrences of that respective item. [Note: don't use any in-built methods to count the no.of occurrences.]	10
5	What is the need of functions in python? Also, discuss about the different types of function with suitable example.	10
6	Write an algorithm and Python program to find the maximum number in a list without using any in-built function.	10