

## **Quiz 5**

### **Analysis of algorithms**

Q 1.a: Given that all coins and currency notes in Pakistan are available with infinite supply, how will you find change of an amount of money such that number of coin/notes used is minimum? Explain your algo/pseudocode in 3 lines and take an example number above 400 and run you algorithm on it. (5)

b) Your algorithm is of which type? (Greedy, Dynamic Prog, Divide n Conquer, Brute force etc). (2)

b) Will your solution work on any given input number (in Pak currency)? (1)

c) Will your solution work on any arbitrary currency (not Pakistani currency but any possible currency)? (2)

Explain b, c, d in 1 line.