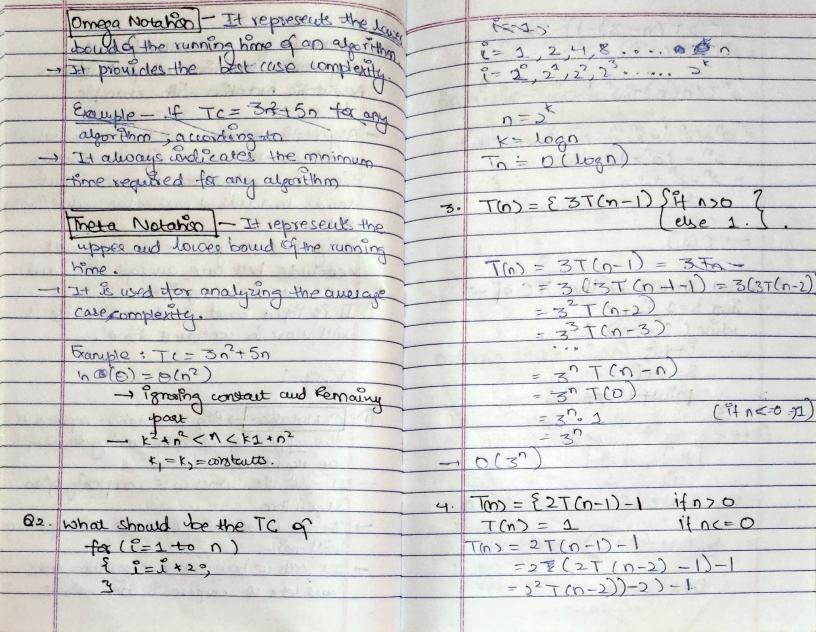
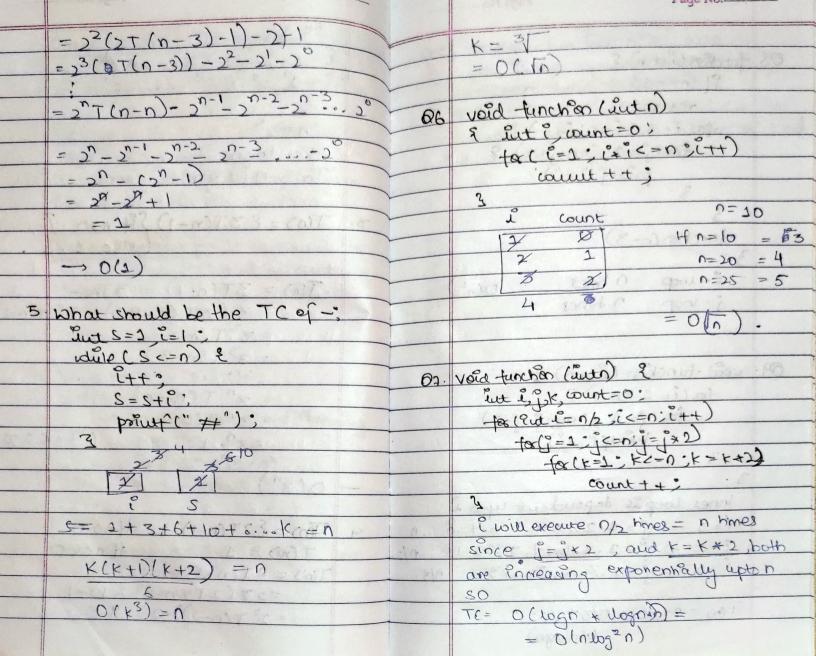
Page No .-Tutorial-1 62. What do you undeastand by the Asyntonic Notations. Define Different Acquitohe Notation with example - Asymtotic Notations are the mathematical notations used to describe the running timo of an algorithm when the input tends towards a pasticular value/limin Value of the local and Using these analysis we can very well conclude best cares anerage dese, and workt case of an algorithm. If is input bound, if there is noils it will Work in constaud time D D Notation → Big O Notation represents
the upper bound of the running time of an algorithm - It gives the worst case complexity of an algorithm > It tells is the not of operation an algorithm will make.

- It tells us how fast an algorithm grows

and letter as compare it with others.





08 function ( lit o) & Pt (n==1) return face-1: (en;i++) { fa (j= ); jen; j++) { - printf("+")" furction (n-3) i-Loop O(n2) n times n hmes i - loop void tunction (fut n) ? tali= 1 ton) & facj=1 :jen; j=j+i) print (" +"); Inner loop is dependent upon i 1=1 =) (= 1.2.3.4.5.6.7.8...) e=2 =) 1=1.3.5.7.9.11.13...1/2 i=3=) (=1.4.7.10.013... n/3 1(n) = n+n/2+ n/3+.... o(vpdu)