DAY-1 NUMBER SYSTEM & BINOMIAL ALGEBRA Dr. Akshay Kumor · N: Natural Number: 1,2,3 --· W: Whole Numbers: 0,1,2, --· Z: Integers :_-3, -2, -1, 0, 1, 2, 3 ---· Rational no (8) p, P, q & Z & q +0 1, -5, 0, 101 · All robind + irration = Real Mos. (R). lex Number: a+ib, $a,b\in\mathbb{R}$ i=-1 $i^2=-1$ $i^3=-i$ · Complex Number: Diff. 6/w Real & complex nos. (Major) @ Compby + Compbx (Sti) + (S+1) + (1) n > y Texacty We can Compan (11) n = y any one of there is three is three Not comparable for n,y Realno ,. What about complex nos. ?? if nzy and azo, then an zay. Prop.1: Result: 1 + 0 2 140 = (170) we can multiple a position 1) 170 in < in > -1.1 < 0.(i) 1.1 > 1.0 (i-)·0 > i·i-12 > 0 Complex nos. are -1 > 0 X Folx not composable -(1) <0 1 <0, X falus

6



