

Course on Chemical Bonding for Class XI 2023

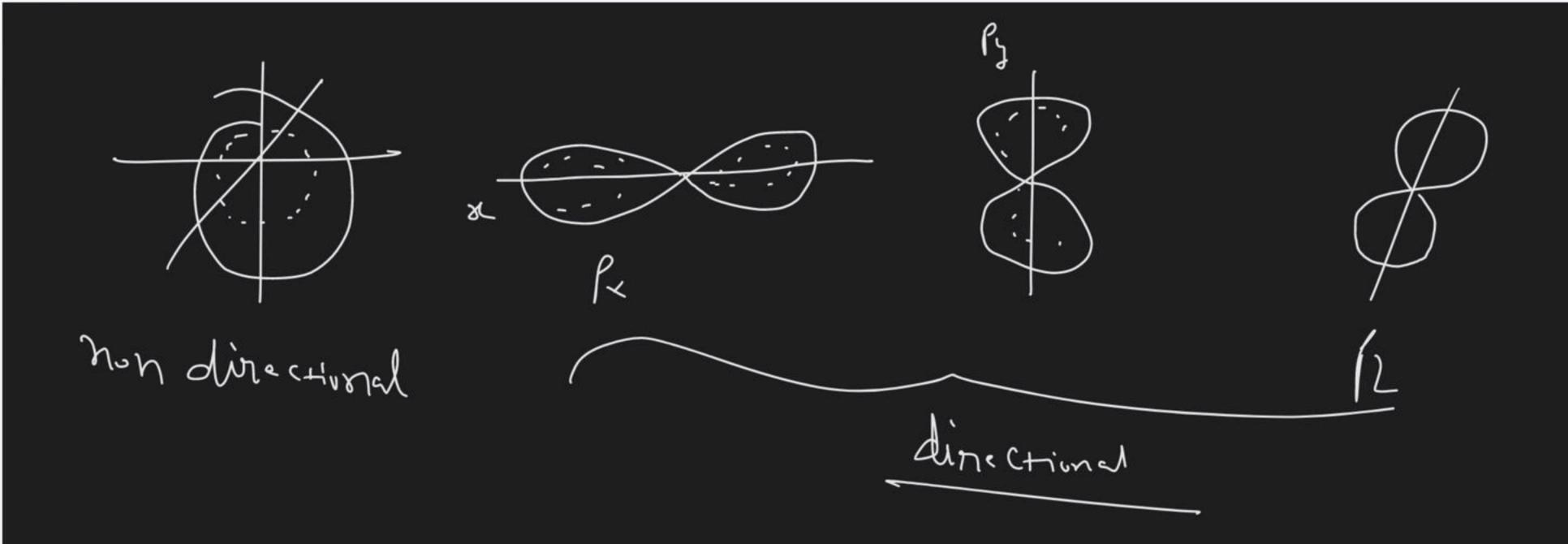
[Rez (18) - 2

Jot 2T + 18 Thardruple Lond bond = 6-lobe interaction

+

example ____

Bond Strugth < 1 1 Size (dominate) Bond Strangth of directioned character [1/. p character)
(When Six 15 const.) + () \rightarrow 15 - 2p > 2p - 21

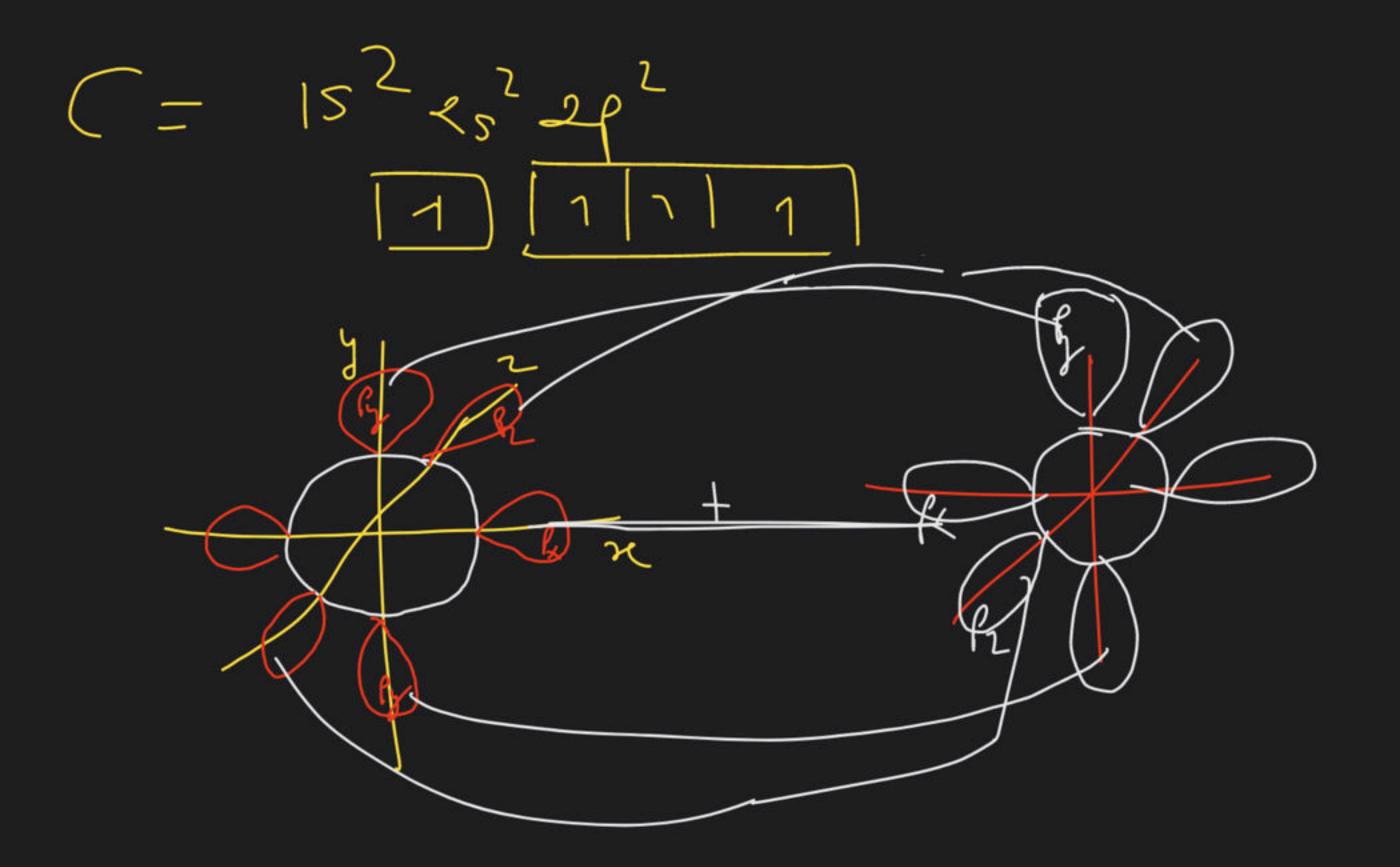


$$|S-1S| > |S-2S|$$
 $|S-1S| > |S-2S| > |S-2S|$
 $|S-2S| > |S-2S| > |S-2S|$
 $|$

$$|S-15|$$
 $|S-25|$ $|S-25|$

But de (naming order of I.S |S-|S |S-25 |S-25 | 25-25 | 25-26 | 25-35 | 25-35 | 35-35 | 35-36 | 39-36 |S-15 > |S-26 > |S-25 > 28-26 > 25-25 | 25-25 | 25-36 | >21-35 > 31-36

$$H - H = 15^{1}$$
 $0 = 0 = 15^{2} \times 5^{2} \times 2p^{4}$
 $N = N = 15^{2} \times 25^{2} \times 2p^{3}$
 $(= 15^{2} \times 25^{2} \times 2p^{2})$
 $1 = 11 + 11$
 $1 = 11 + 11$



Maximum there bonds form between two atoms of non metal in which one 5

au NEN exist but l'Eldo esnot

Amy

$$2l_{\pi}-2l_{\pi}$$

$$2l_{\pi}-3l_{\pi}$$

$$3l_{\pi}-3l_{\pi}$$

$$3l_{\pi}-3l_{\pi}$$

$$3l_{\pi}-3l_{\pi}$$

$$3l_{\pi}-3l_{\pi}$$

P- 35⁷3 8³
[71]111 3P, - In Sideways overlapping does not possible due to large internyclear distance

0 = 0 exist but s=s doesnot exist

3/4-3/4 do earst 1 xist she to large internacion distance

S(solid) do unt exist

S(solia) le (solid) S(solid)

a(c. to mut

(vap) le(vap) se (vap)

a(c. to mut

(vap) le(vap) temp

(xist

which of the following overlappling is strongest $3f_{\pi}-3f_{\pi}$ $2f_{\pi}-2f_{\pi}$ 3 35-35 15-15