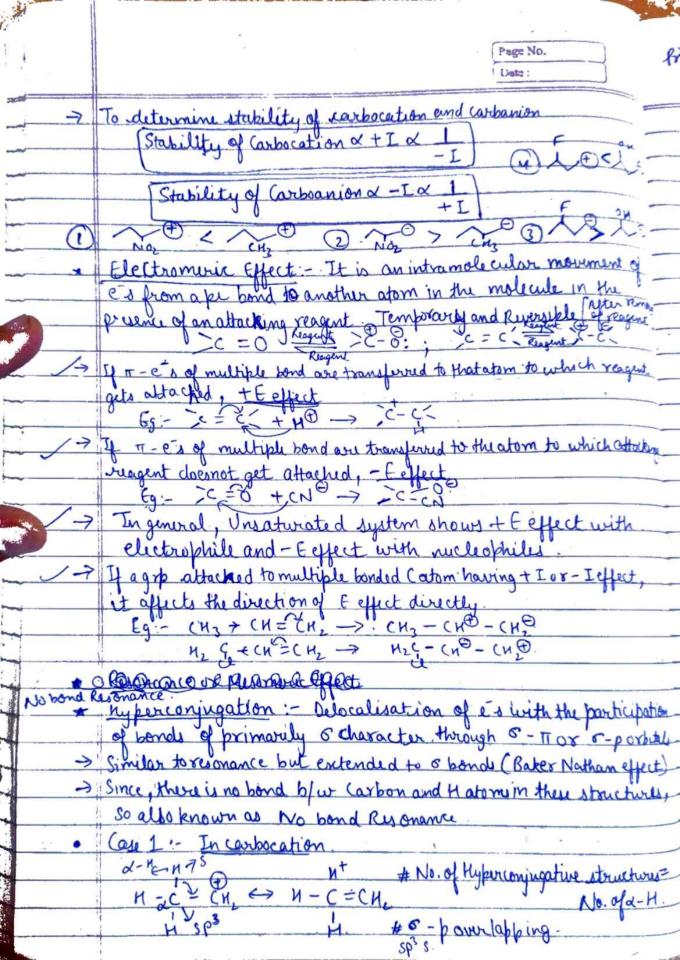
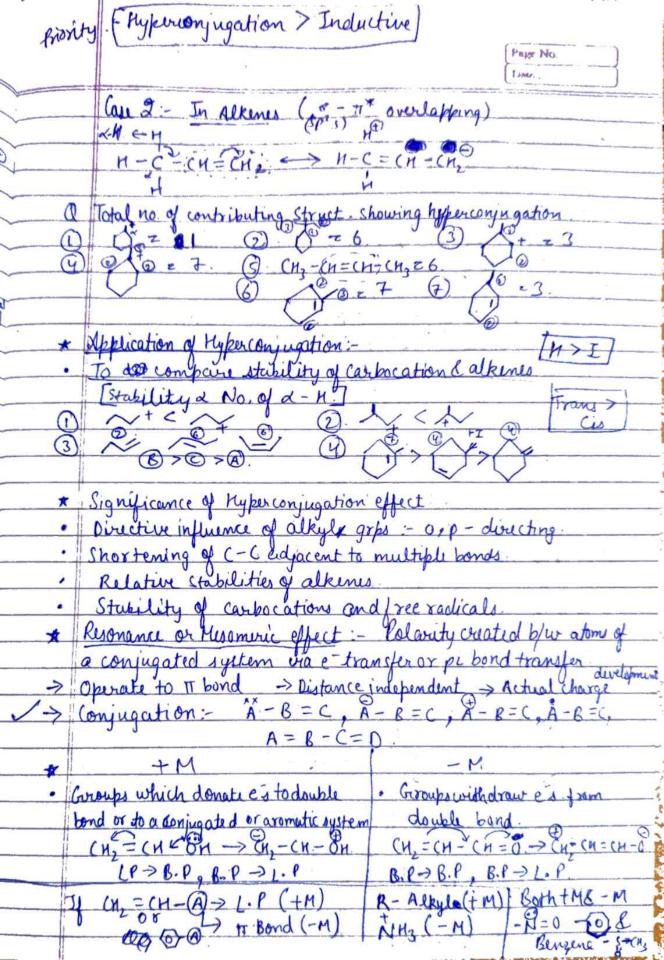
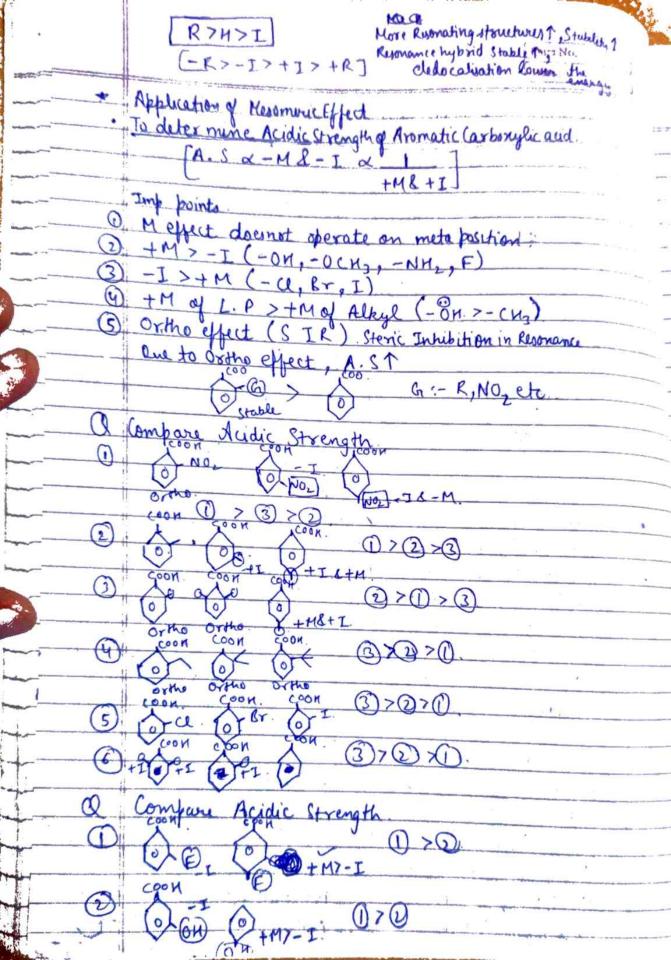
Inductive 1 - CB > CH > FURYUS - FINE > RENGER / NAME

1 - CB > CH > FURYUS - FINE COCH > F 1 - S + REN D>N>P A.S. X - Id Kad PKb AGO & DO DO B. SatId PKad Kb basic concepts of Organic Chemistry. Organic compounds are formed by covalent bonds with to. Enductive Effect: The polarization of a 5 bond due to cleatron withdrawing or e donating effect of adjacent grapes > Partial charge development. 7 Can be neglected after 3rd atom -> Dustance dependent. If substituent of bulled for the end of . If the substituent attached at the · C3 C = C - [5] end of (- chain in e donating reliaing 6 + 6 + 6 + 6 | Power (1) · 0- Ch? - NHS - 0 = - COO3 ·-NO, 7-(N7-(OOH>-F>-4> -C Mez > CH Mez > CH3-CHI. -Br>-I>-H (3) T-> D>H (9) Sing>CH3. PRIORITY (C>11>P \* Application of Inductive Cistance > No > Power > To letermine acidic strength A.S & - I & T + I Due to - I, stability is Rese as ENG stabilizes coo while A.STKat PKa & PKot Kby EDG destabilises COOT D (43-(4-(OOH) > CH-GOON COOH 7 FOOH







If Phenol derivative No ortho effect Page No BOZM 3 COON X 7P>0>M · M effect : Eg: >GO, - CNO, - COOR, - CN, - NO, + Meffet: - 6g: -OH, -OR, - SH, -SR, -NH, -NHR, - CLIBS \* Reagent types - O Electrophiles @ Nucleophiles. Incomplete at a site of high e density > Maybe neutral (Lewisa cids such as BFz, Allz, ZnClz) & Carbines ((cl) or trely charged species Eg = Cl+, Br+, Not, Not, H+, CM3- (= 0 (+vely charged) CO2, SO3, Cd, , NUs, 18F3 (neutral) Mulesphily (e hating): They are & rich species, maybe neutral Tend to attack e deficient species Eg: - CL, BT, ON, CN, SH, NH, OCH, (-vely charged) M20, R-O-H, N H3, R-NH2, R20: Me, S: (neutral) Arrhenius Theory: - he stated that ionic compounds dissociate when dissolved in water and can become free ions acting as individual entitie in solution ACID: produces Kt in water, RASE: produces OH in water. MC (ag) => H30+ + CT, Naon > Na+ ON Arrhenius acid & base neutralises each other to produce that and water MCC + NOOH -> NOCK + 11,0 Arrhenius theory requires reactions to take place in solution (aqueous) Bronsted-Lowry Theory: - His approach was not limited to aquion solution but for all protons (H+) containing species. He defined acid and bases as donor and acceptor of proton respectively.

ACIP: Donate proton, BASE - Accept proton

	Page No.
	Deta:
	of Conjugate base
-> Acid Franker its proton to medium or base and run occur	. The product of men is form
> When base accepts a proton, it becomes Conju	igate acid.
Hu + NH3 -> NHT + CE	
Acid Base CA CB.	
-> For audic xxn, HA+H,0 = A: + 430+.	
Kaz [A:][Mo+]. as water is so	sevent
Cualcu al	No of Acidic Strength
= [A;] (M20+]	PKa a A.S.
- IV.) (MO)	71.4
[ha]	
⇒ C P Kaz-logka	
-> For Basic rxn, B+H, 0 = BH+OH.	C6 × 8.8.
- US (BU) (OU)	B.S.
	8.7.
PKb = - leg Kb.	
Lewis & Theory:-	4, 176, 1
-> Arrhenius theory didnot support a cid - base be	havious in non - agreems
-> Bronsted & Lowery theory excluded non-protono	ated system.

ACID: e deficient substances that can accept a pair of e from another out BASE: Exich substance that can donate a pair of e to other substance to form in Eg: - C= 0 + Alls -> C= 5 - Alls

Lewis Base - H, O, ROK, R-O-H, RCHO, R3 N, C25 etc.

Mard and Soft A uds & Bases.