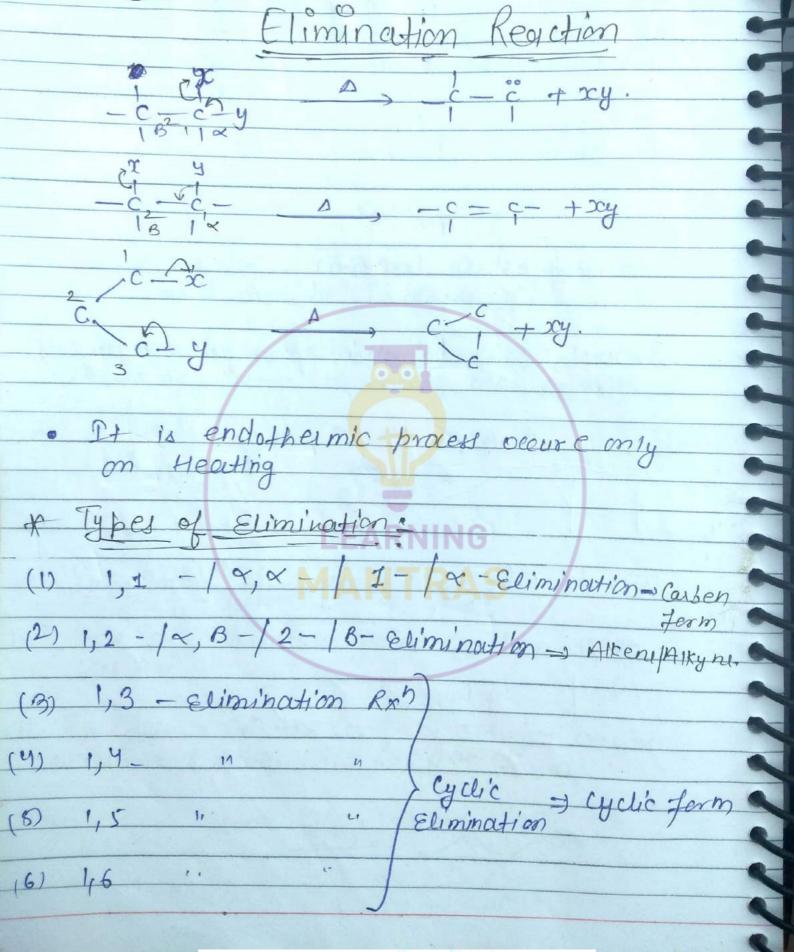




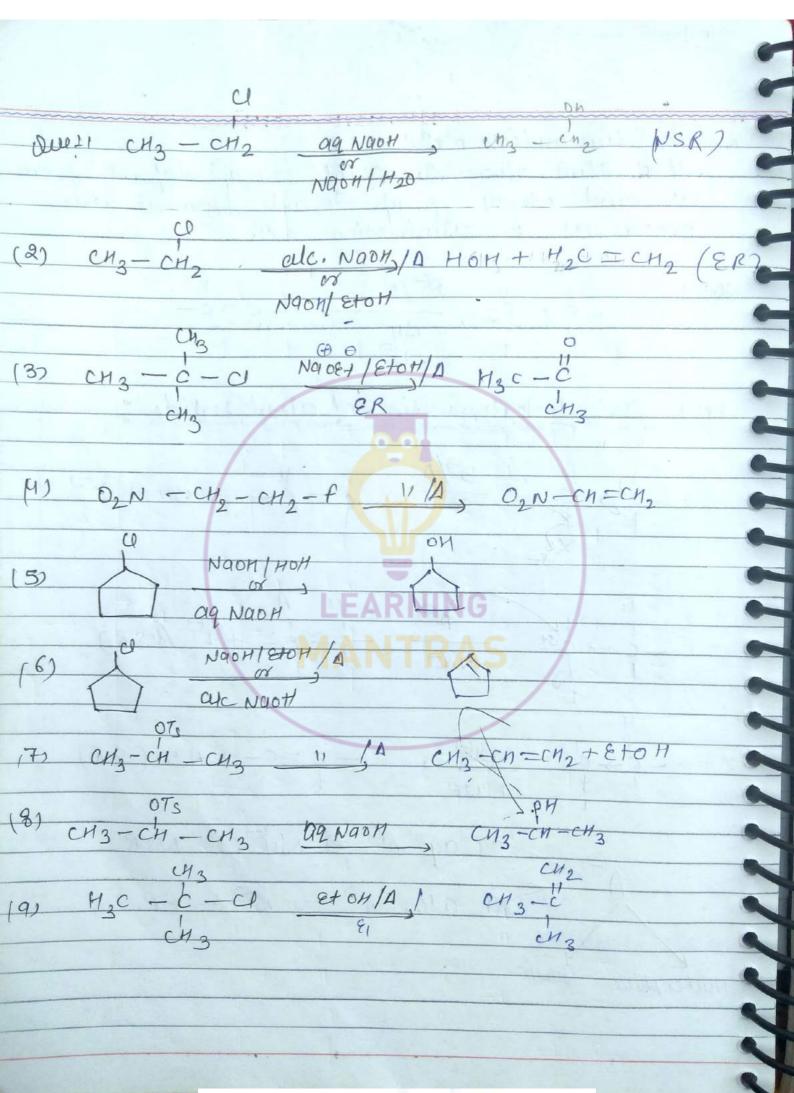
Handwritten Notes On Elimination Reaction



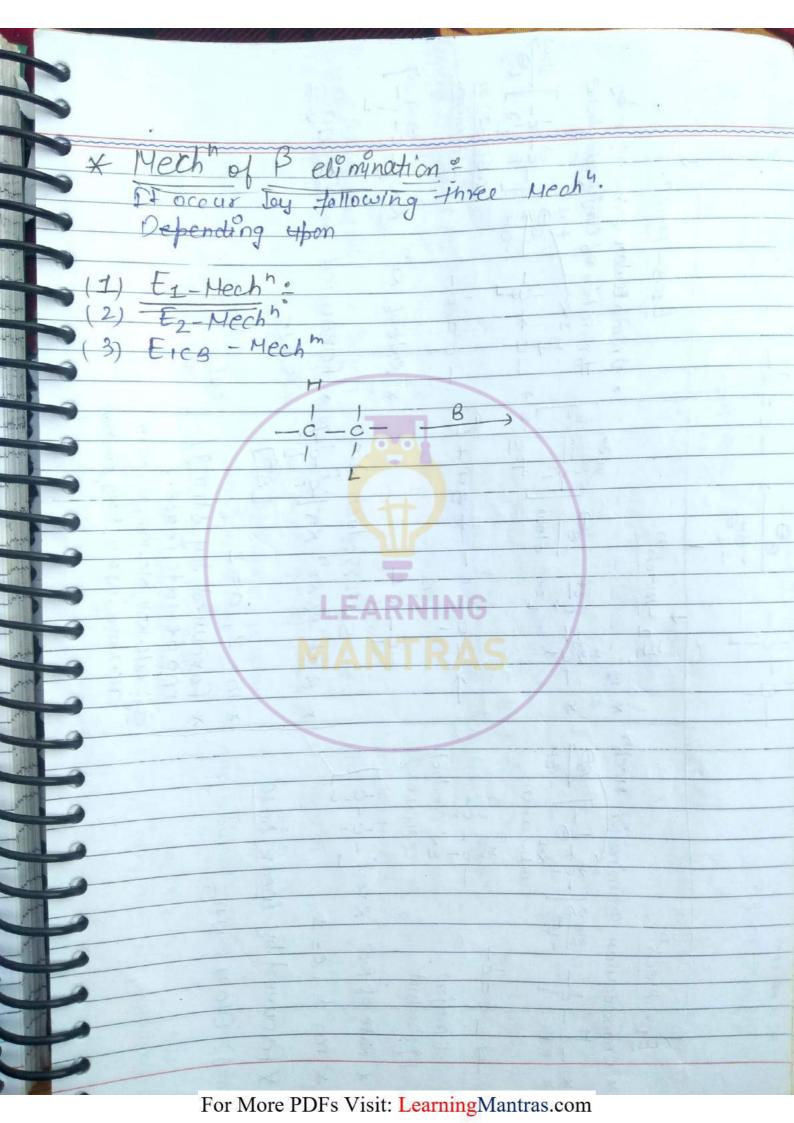


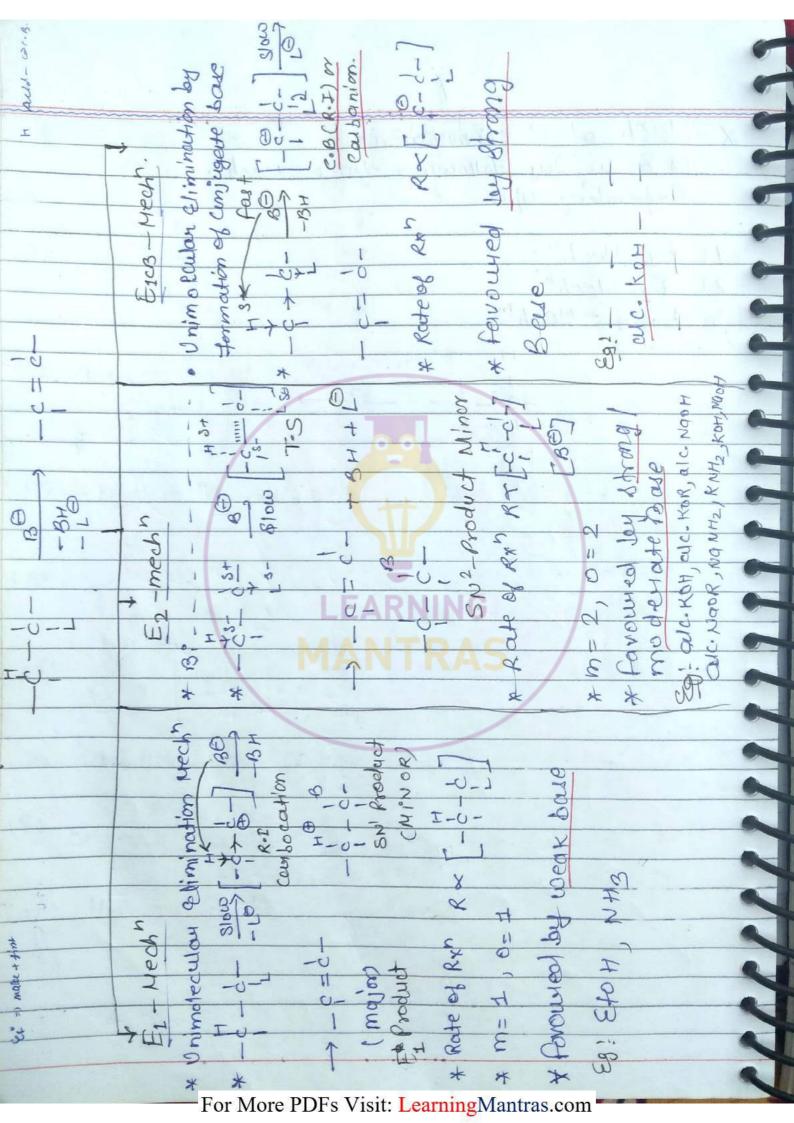


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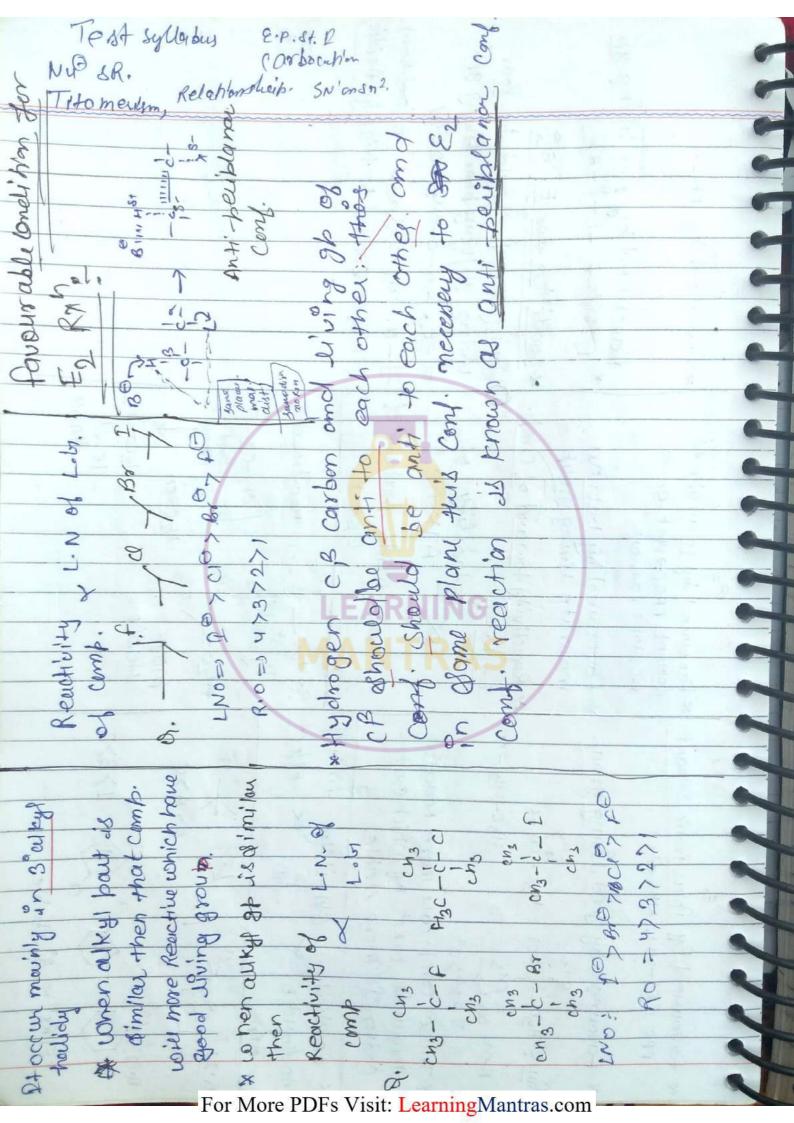


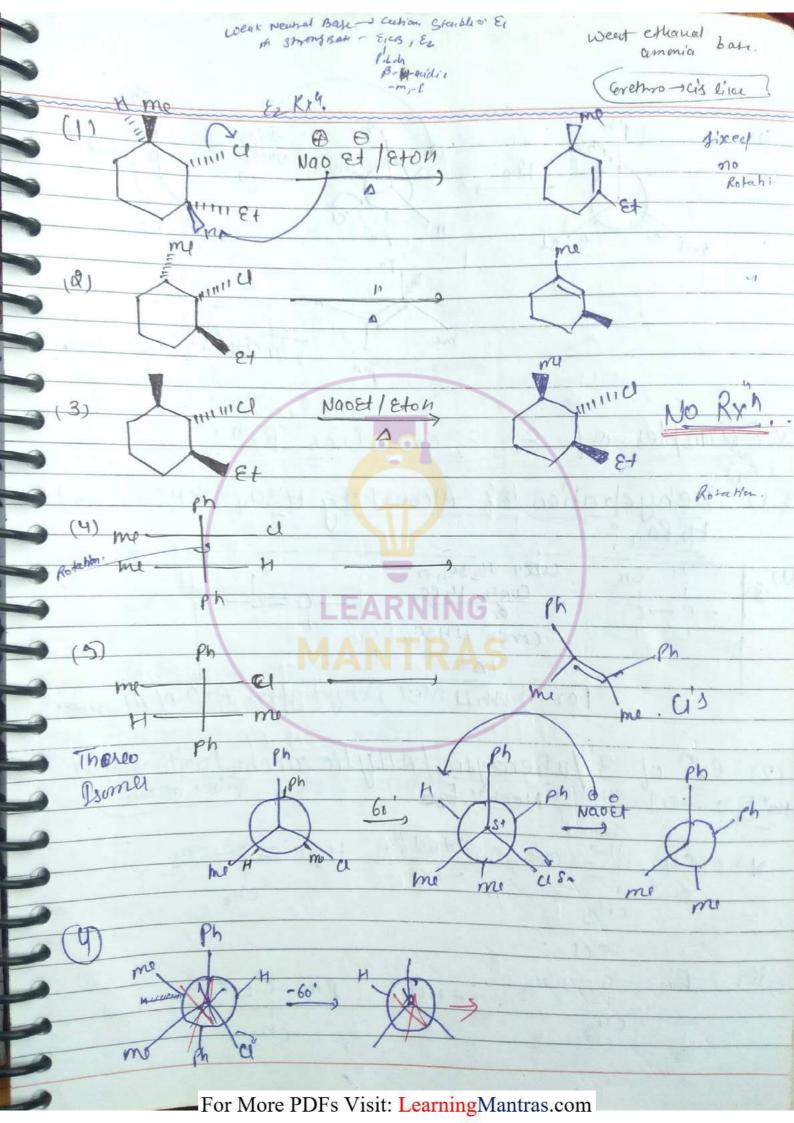
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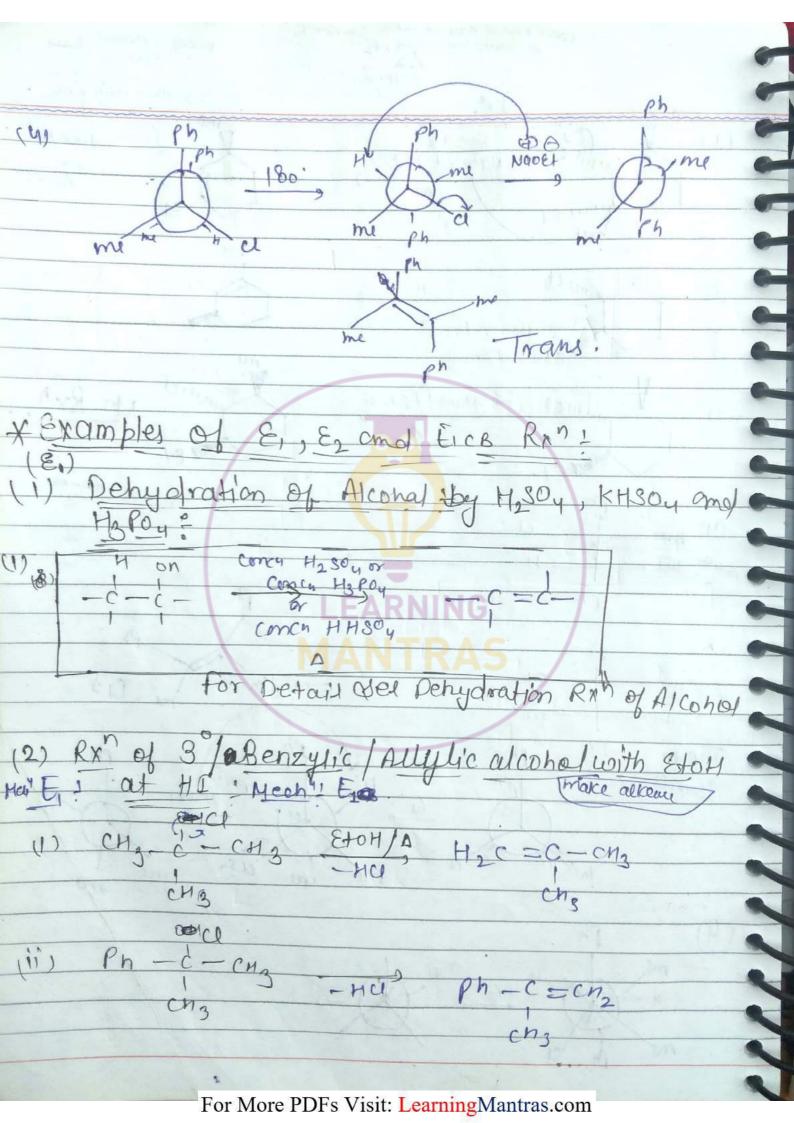




(14,74 CB showed be thigh by Acidic, 0-1 8 2 -m1-41-1 gp at Cp (conj seul) * PILL (-f, -0-2-2) OLIVING Broup Should be Poor = -f, + 0-6-cH3(-0 AG) HBC-CM2-CO ** REQUESTIVITY FOW OUND of CIMP. * CONDITION LOS EICB ? * formated by PMS. Reorch in Stable H2C=CH2 CN3-CM2-C troa! - 6-4 H3C-61-0 of Adidic mortune * Favoured By Polar Profic Solvant * Favoured by Polay apportic downt past-omf, amso, CB+H modrate living group 6 M2c=cn this is the Alkene acetone, stren . Reacher eH2c=c-643 EZ Rxh ... effect 8. Mac nost 17-/4+1 m+ Bt. 17.9 04-0 * Favoured by good Living group toward EIRXM Of which carboitisis though the single control is the country of wonich control. 8>A>C For More PDFs PPS (84-04), NH364c) cettlon is more stable. 100 0 EIRXT 3 SAHable. earning Mantras







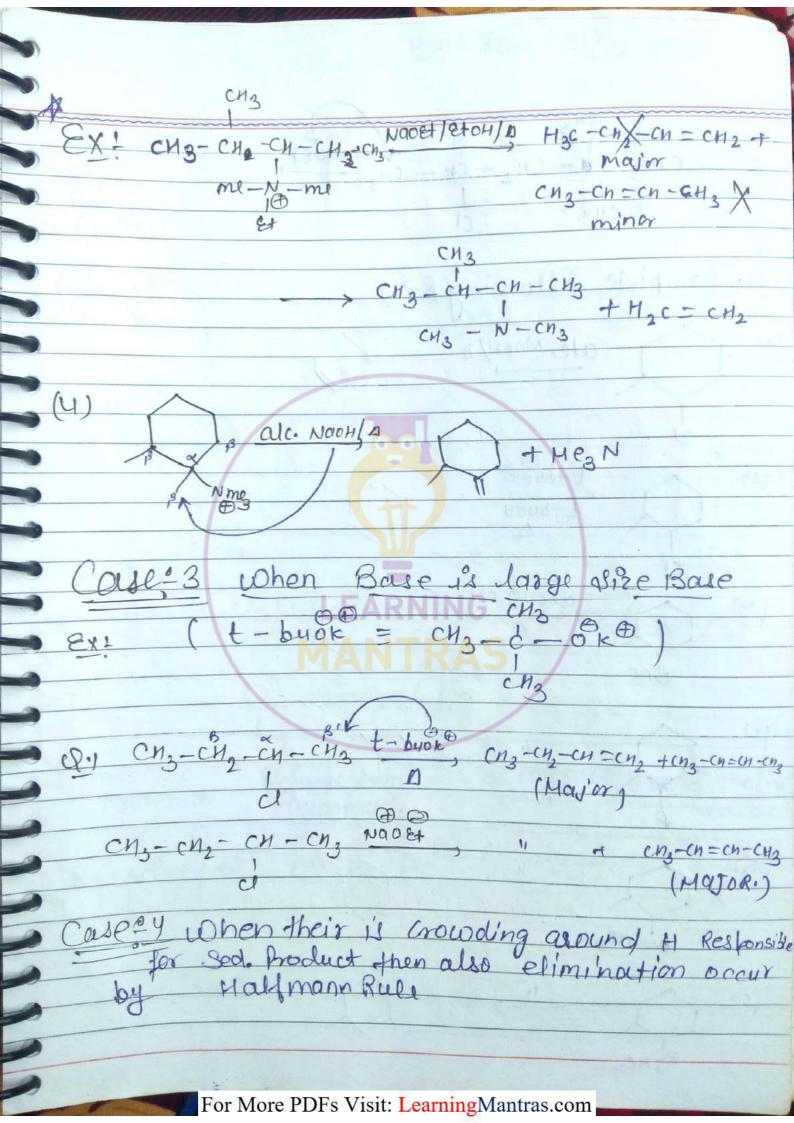
Rest RXY always E2 * Examples of Fice: CH3-C-C-H Naost/Ston NO SA Nacet/ Reton/A OAC (3) Ph - CH2 - CH2 NO OE+ / CHO H/D (4) C = C = fNove+/Eton Rest other Elimination is Ez 4 Examples of Ez-Rxn: 4 43C - CM2 TO KOHID H2C = CH2 + HOH + 10d (e) D3 C - CH2-C1 + con/D, D2 C= CH2+ HOM + KC1 r, & r, order Slow Rpy Maost + 810H + NaU

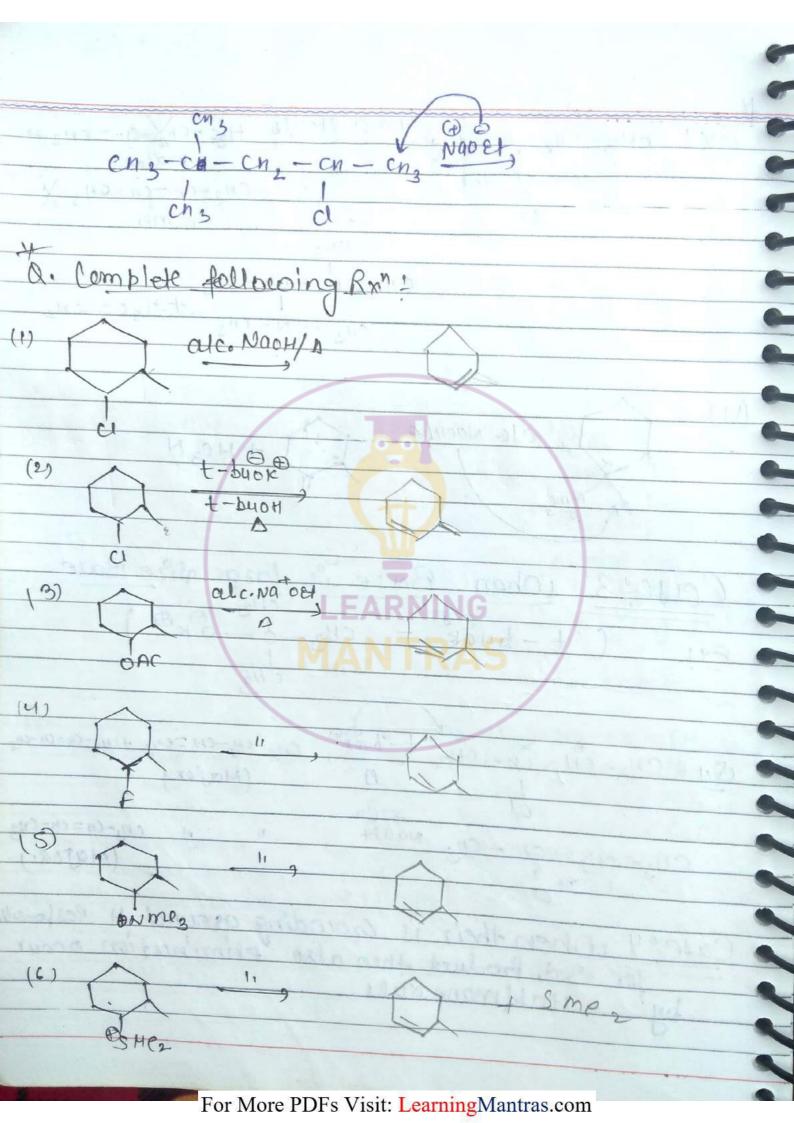
* Orientation in Elimination Rxh: H3C - CH2-CI NSR or KOHI PROHID Hac-CH2-OH Elimination Rxn Ez or EICB -m/-H/-I other (-f, -oAC) * CH3 - CH2 - CH - CH3 B/A, CH3-CM-CM-CH3 + ch3-ch, ch=ch In Elimination Rxh if there are two type of B Hydrogen atom then two type of allcene are form

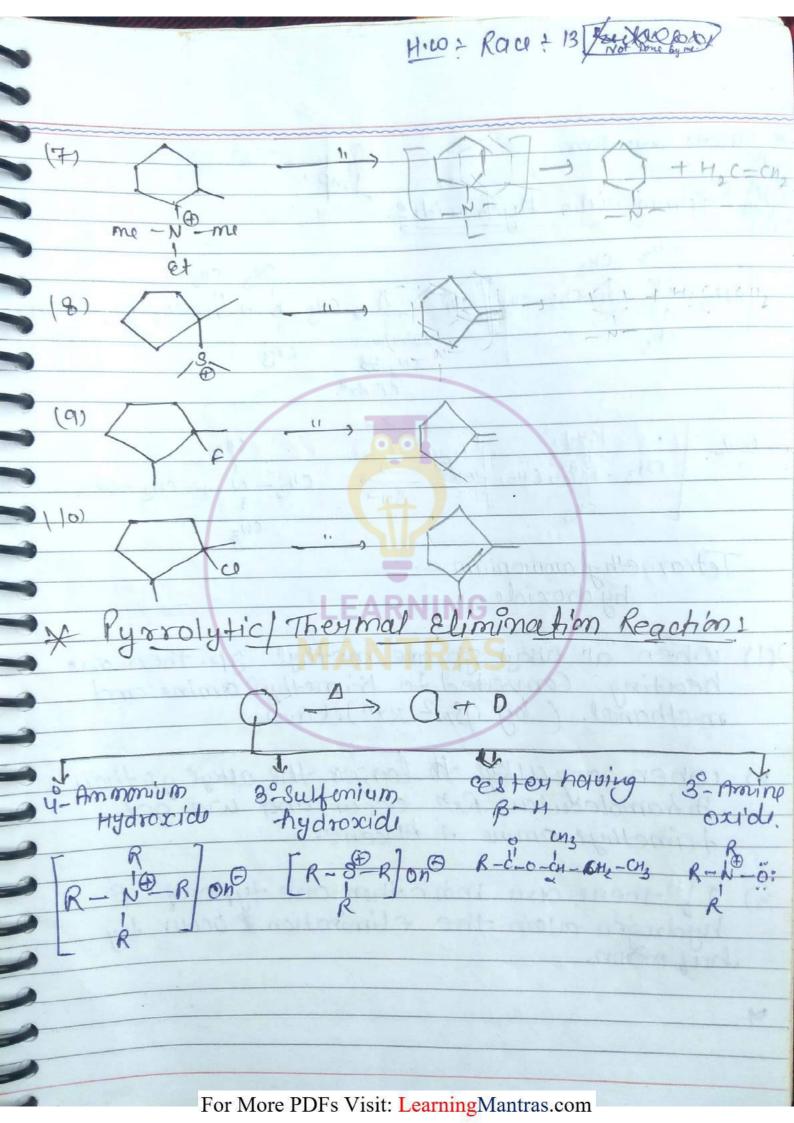
and which alkene are mayor and minor it us decided by Two Rule. (1) say +zeff's Rule 2) Hat mann Rule (1) Baytzeffis Rule: Ace. to this rule during the etimination Rxh tydrogen eliminate from that B carbon atom which have Less no. of Hydrogen datem (poor becoms poores). CH3-CH2-CH-CH2 10/0) CM3-CH2-CM=CM2 + cn - cn = cn - cuz Majon * Halmann Rule: Acc. to this Rule H eliminate from that B caubon atom which howe more no. of H atom. CH3-CH2-CH-CH3 - 6/1 CH3-CH2-CH= CH2 + Major (HP) CHI-CH = CH - CHZ minor * For E, Mech = = say+2eff's Rule (SR) * for Eich Mech": => Haymann Rule. (HR). * for E2 Mech": Both (#R - SR + HR). Lo In 14' COUCH of the couse

Coses Hay 1) Tohen Lobs is VPLIN (very Poor Living gt).
[-f, -o-d-ong (-AU] EXIV CH3 - CH2 - CH - CH3 NO DE+/8+OH CH3-CH2-CH=CH2 +

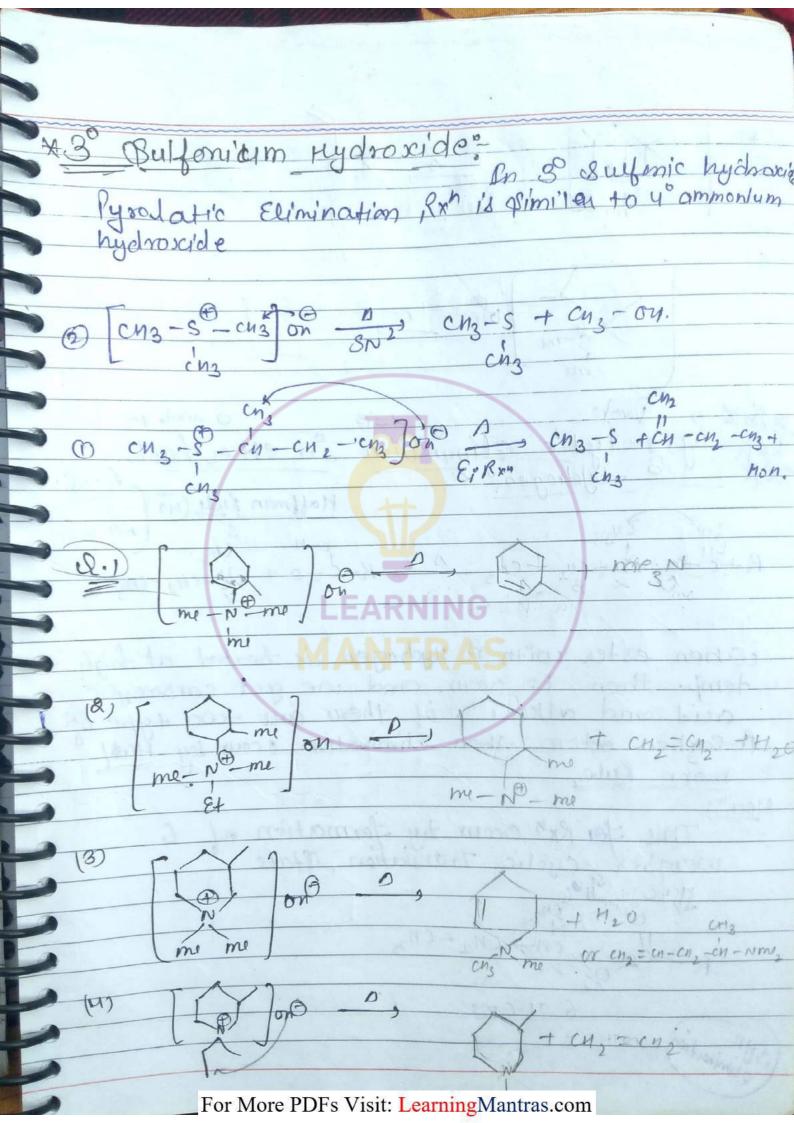
May'or (HP) ETP CH3-CH2-CH3 NOOEH/ETOH CM3-CM2-CH=CH2 + cn3-cn=cn-cn3 MINOR (SP) Couse: 2 when Lin = VILL (very Longe Living gh). (-NR3 , -SR2) MINOR (SP) meg N. Nacet/Eton +me2S

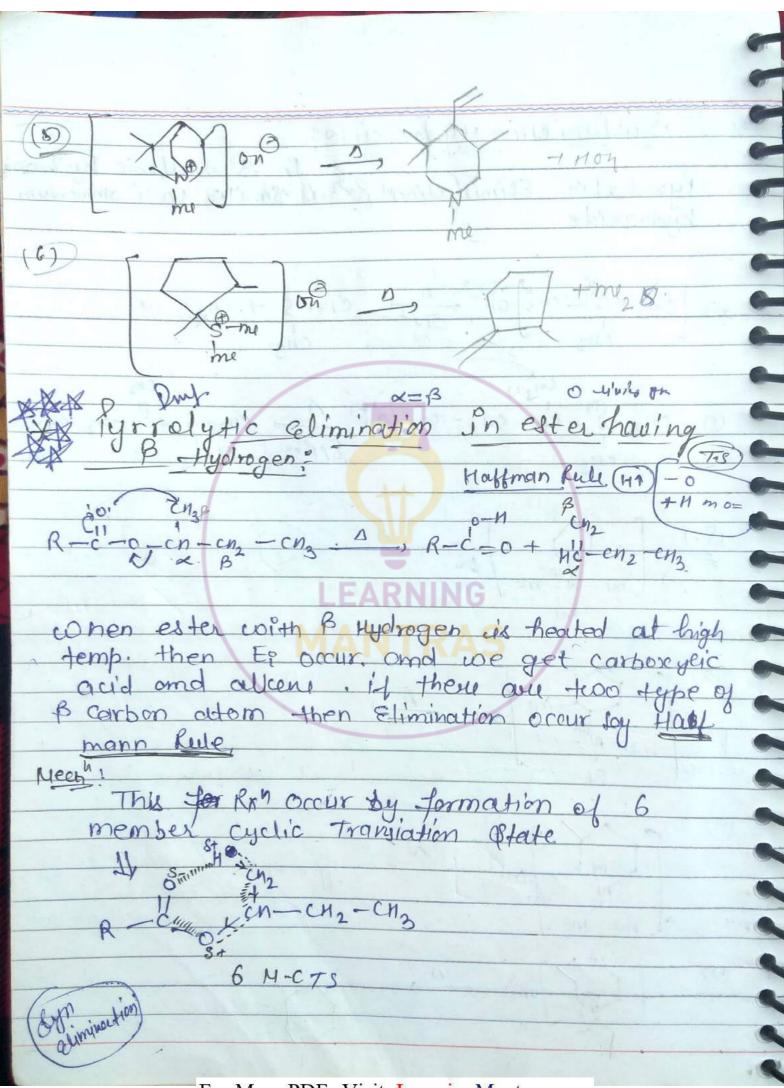




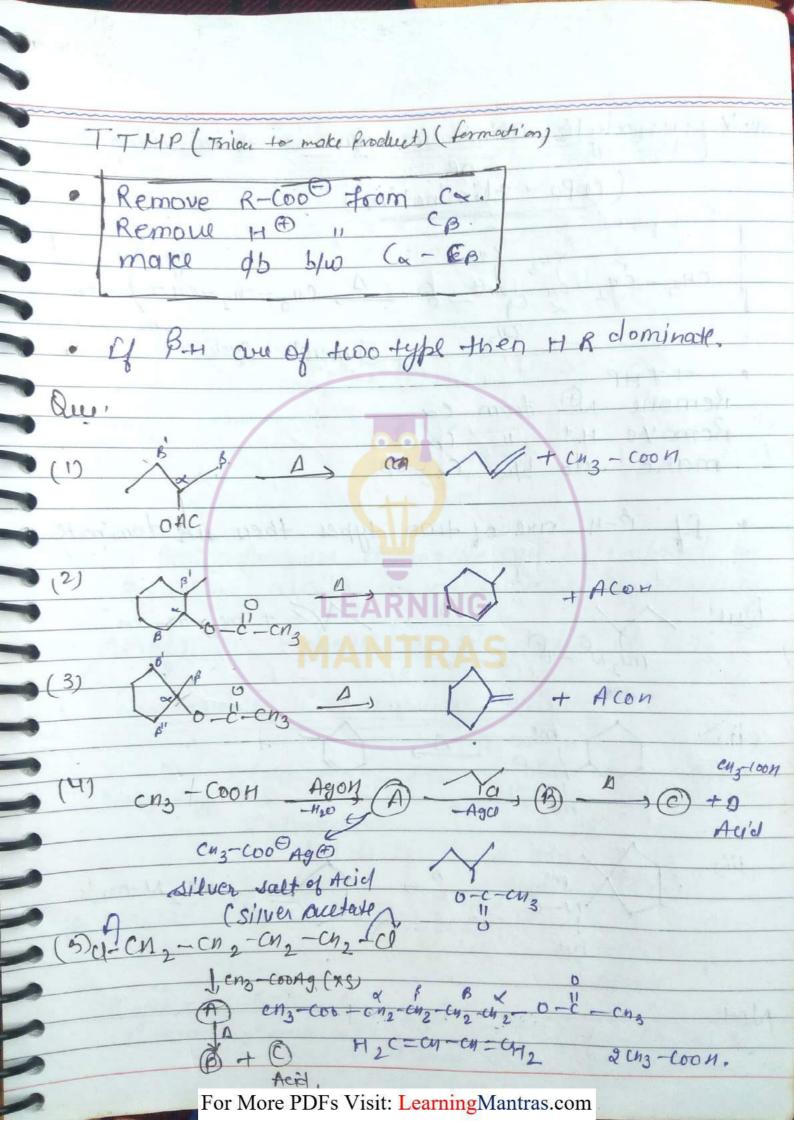


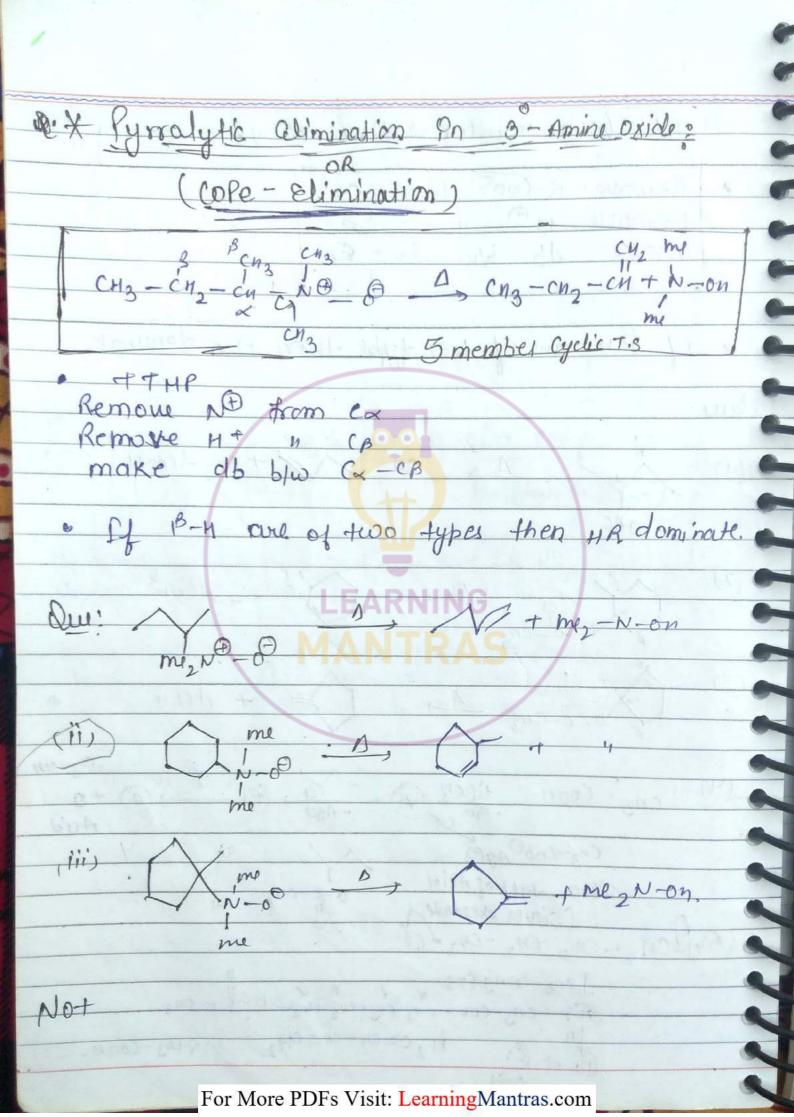
There are four A CH3-N +CH -CH2 -CH3 + HOH . СИЗ СИЗ-NE-ЕНЗ ОН — А СИЗ-Tetramethylammonium hy droxide. (1) when all alkyl gp are methyl gp. then one heating converted to trimethyl amine and methanol. (by BN2 Rxh). (2.2) 2) when any culcy the largest the alkyl of thon in tramolecular Rin occur and we get trimethyl amine + Alkene. 3) If there are more than one type of B hydrogen exten the elimination & occur ley hat mann. M

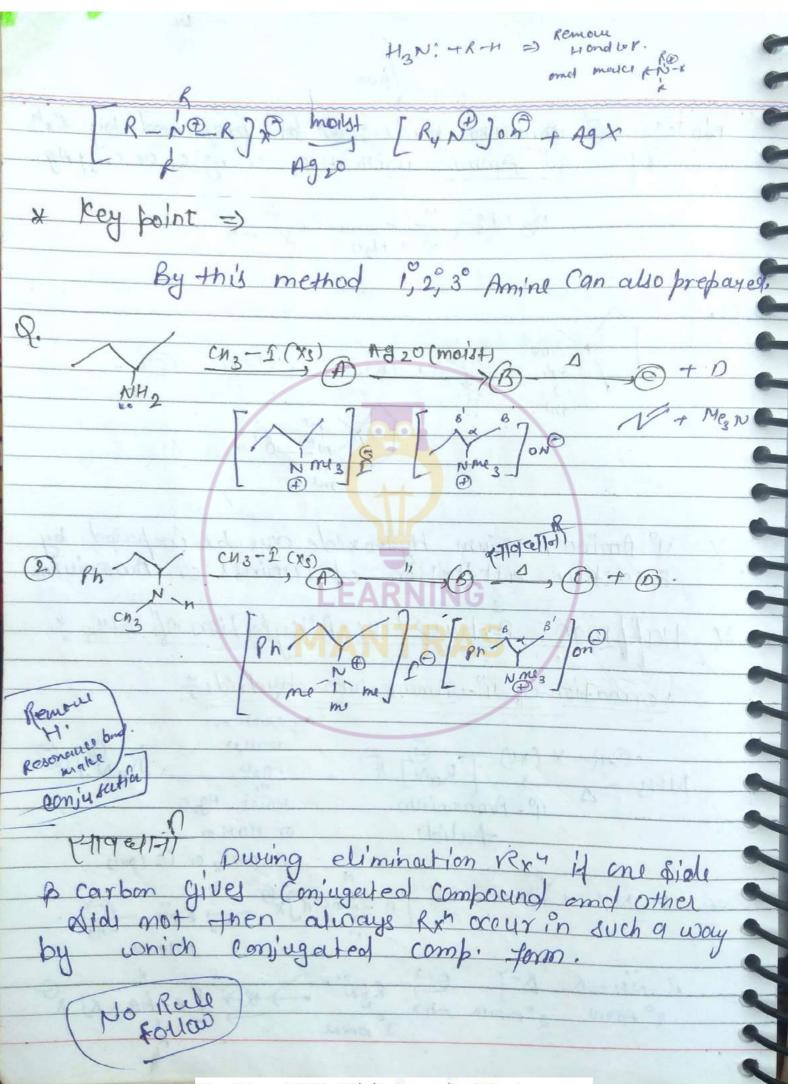




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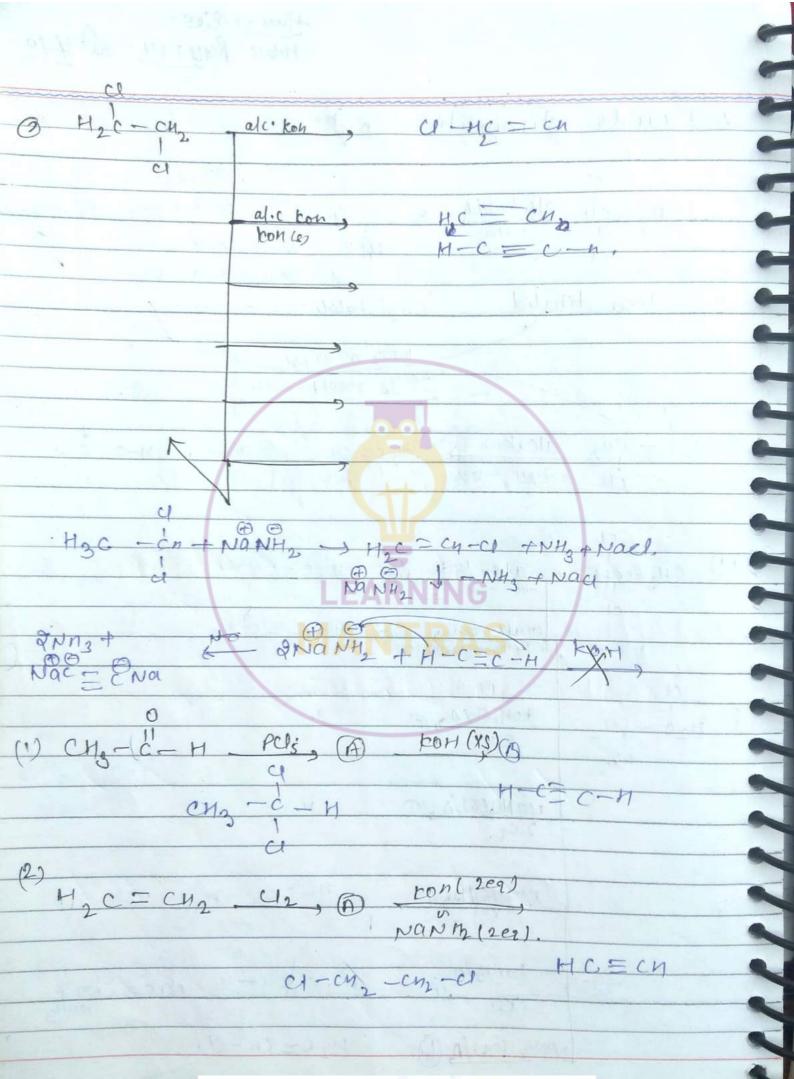




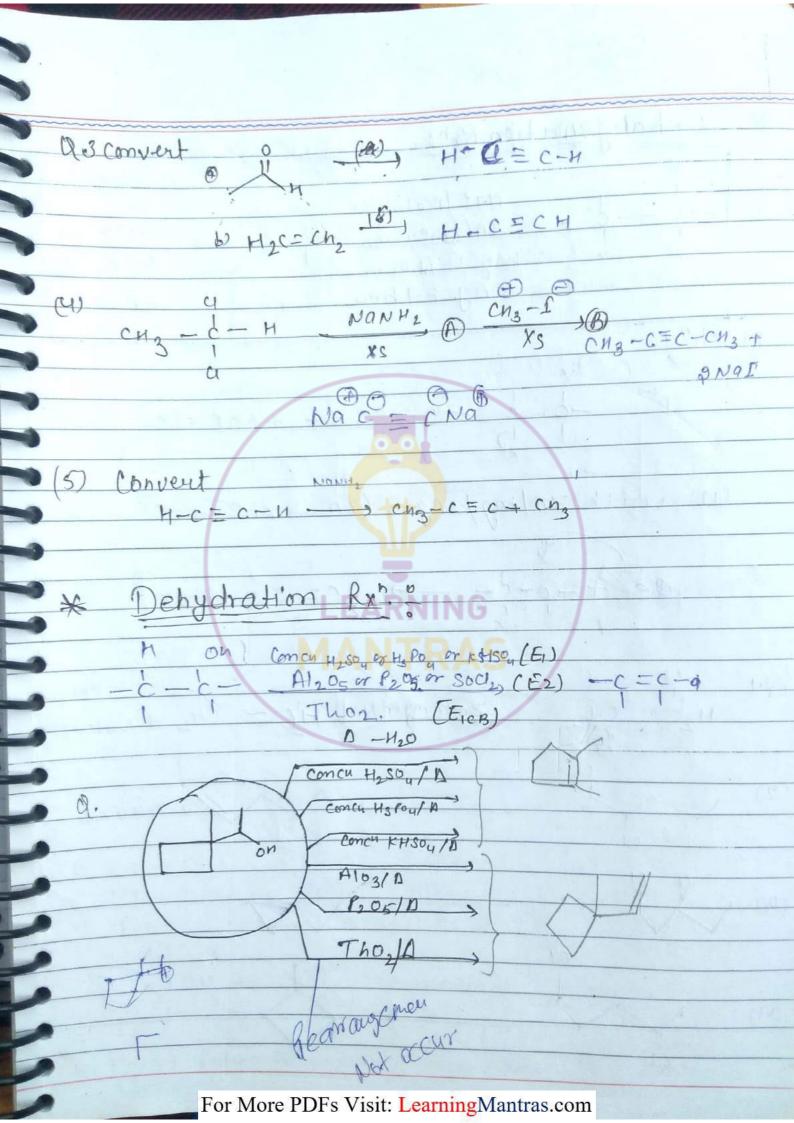


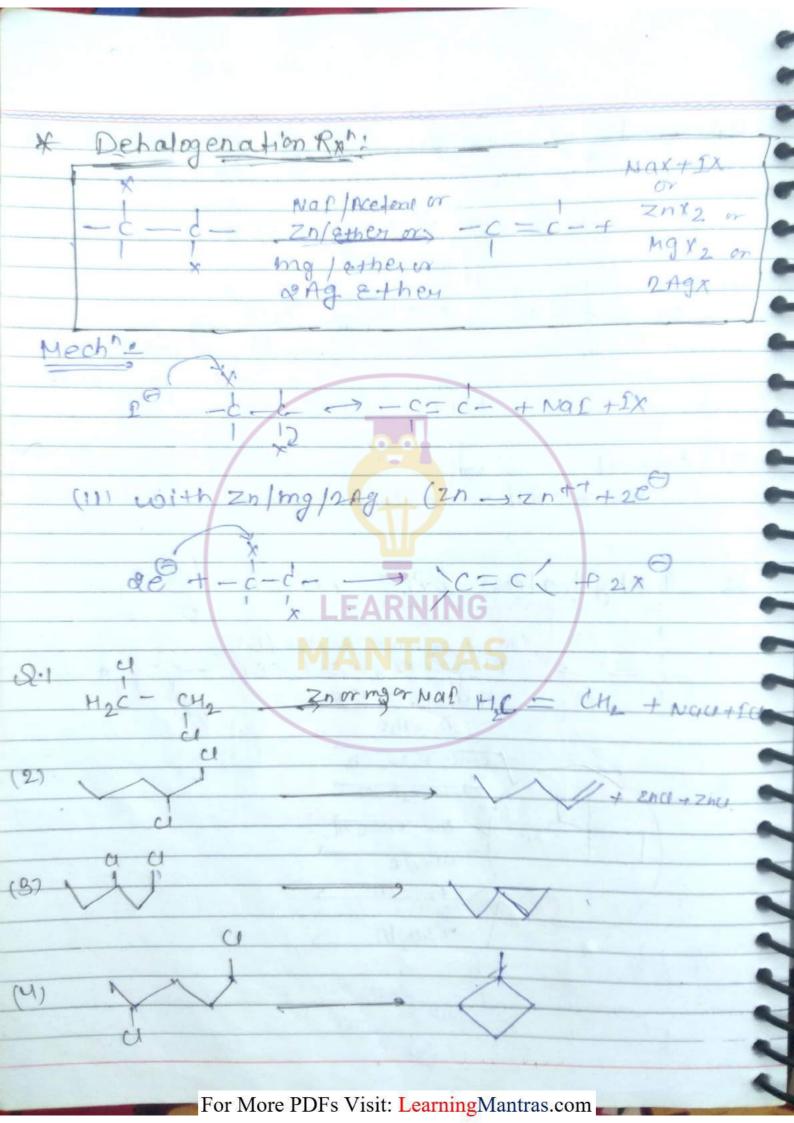
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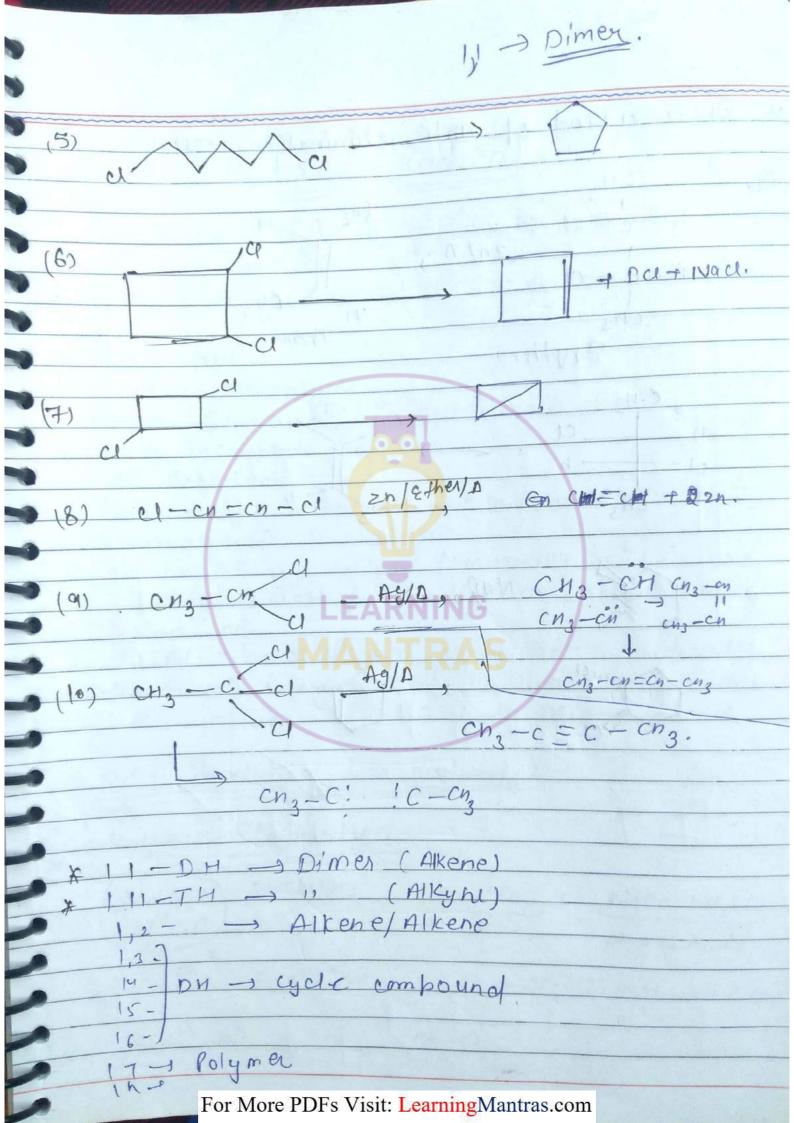
How + Rau = 14 19 * Double elimination Rxn: NOON , -NOC!, -110 CH3-CH alc. KOH/A H2C-C-H KOM (1)/A-Ed, -04
-HOH id: NONH2/A-NOU, NH3 KNH2/D-KCl, -NH3 ben-dihalid Vinyl halide ICNH2 or NO NOW, -NH3 -KC11-Nacl. (i) KOH(S) or Nanh2(1ea) (i) H-C=C-H. KOH (S) / A > @ Nady(S)/D, 0 KOH(S)/D, (G) H-C=C-H H-CXC+H Nac=CNat Nanth (iea)/D. (1) H2 C= Cn - Cl. For More PDFs Visit: LearningMantras.com

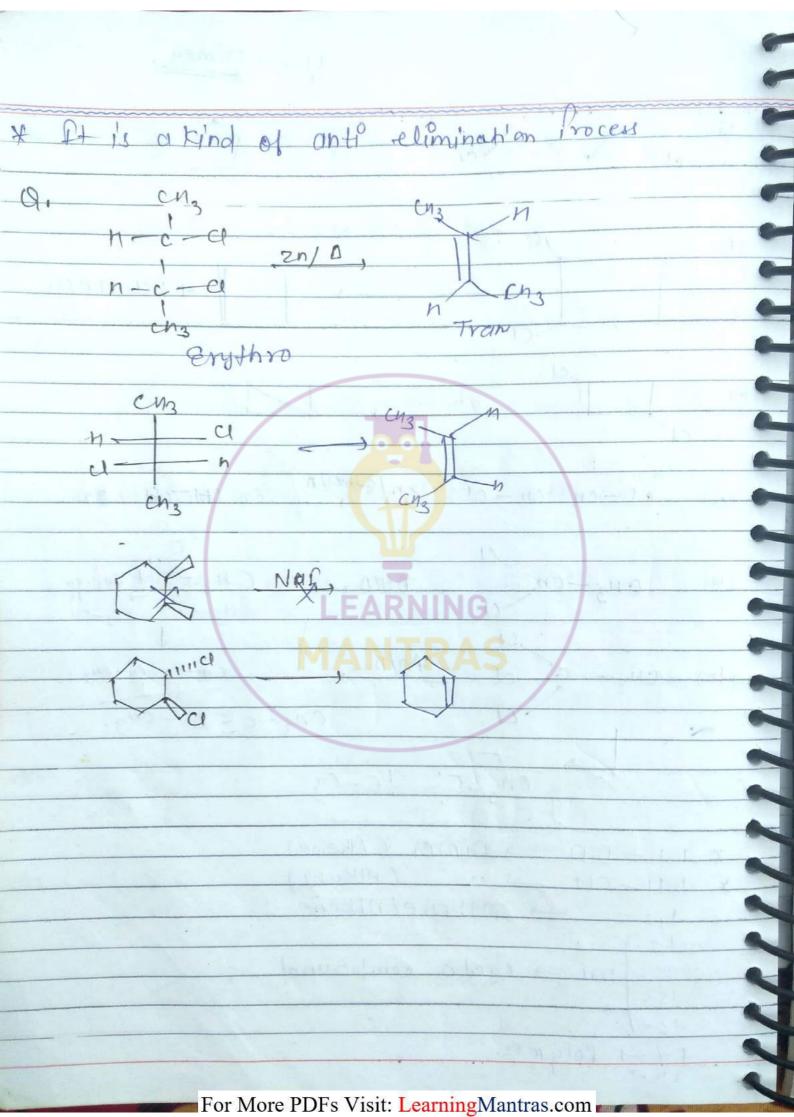


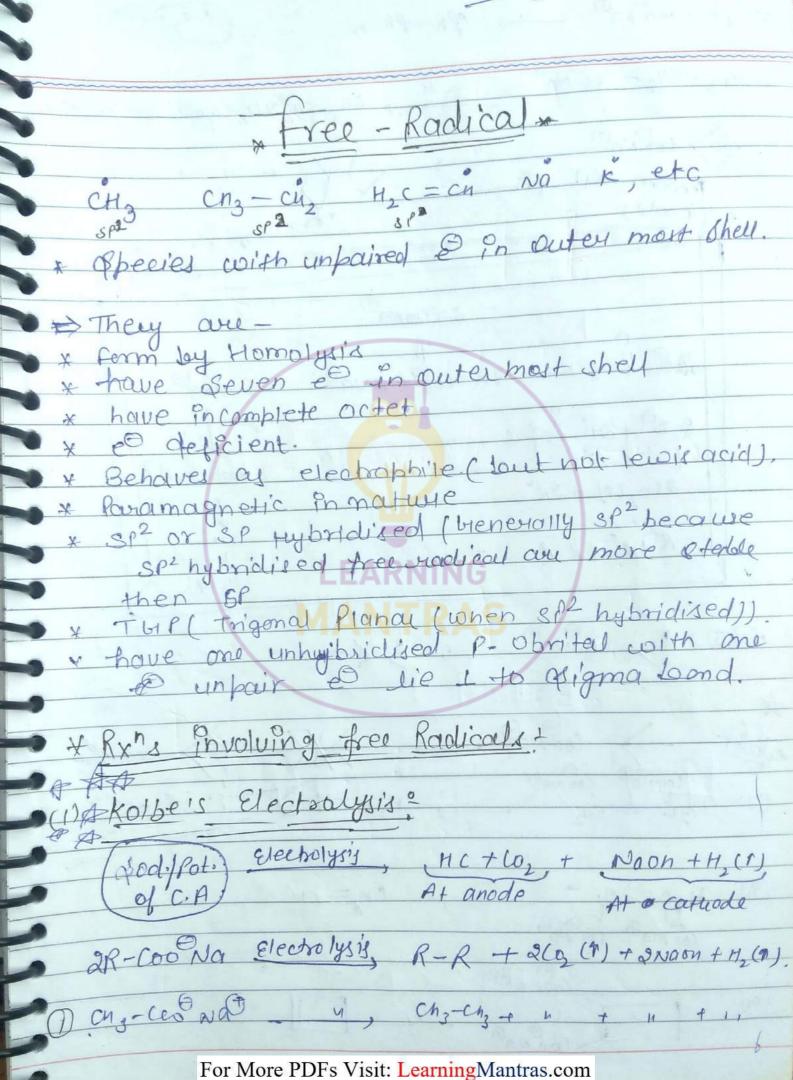
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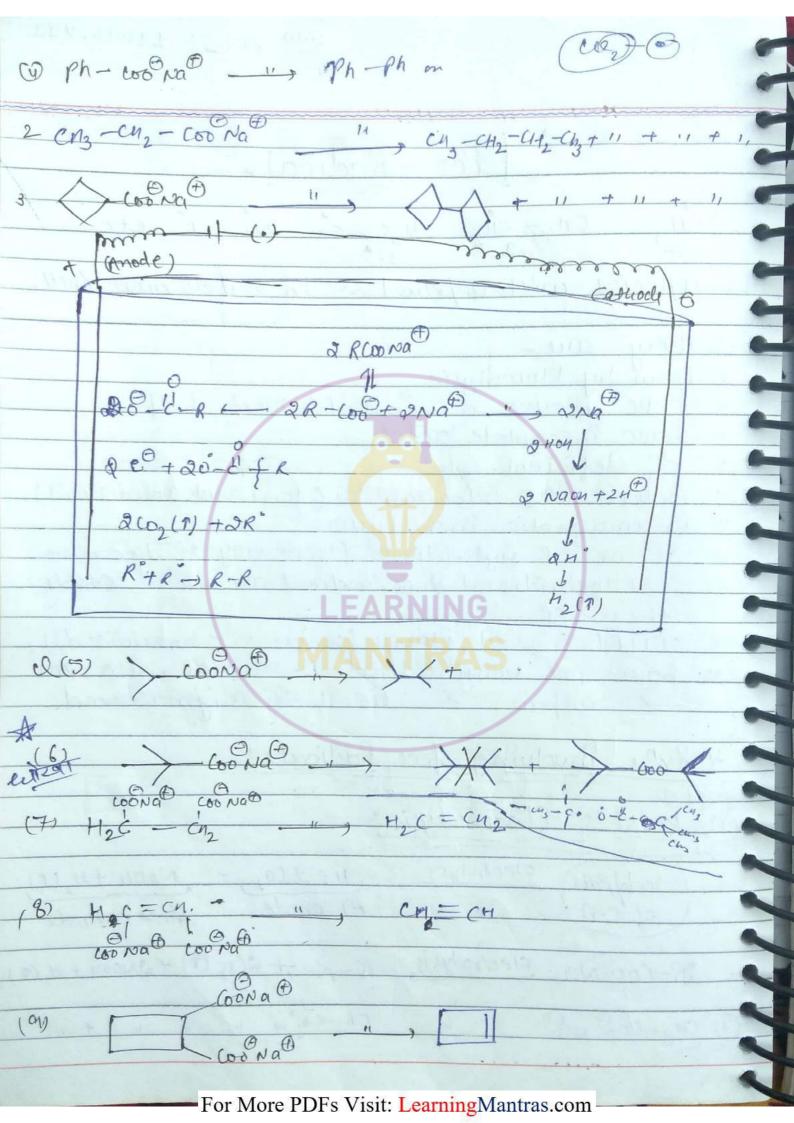


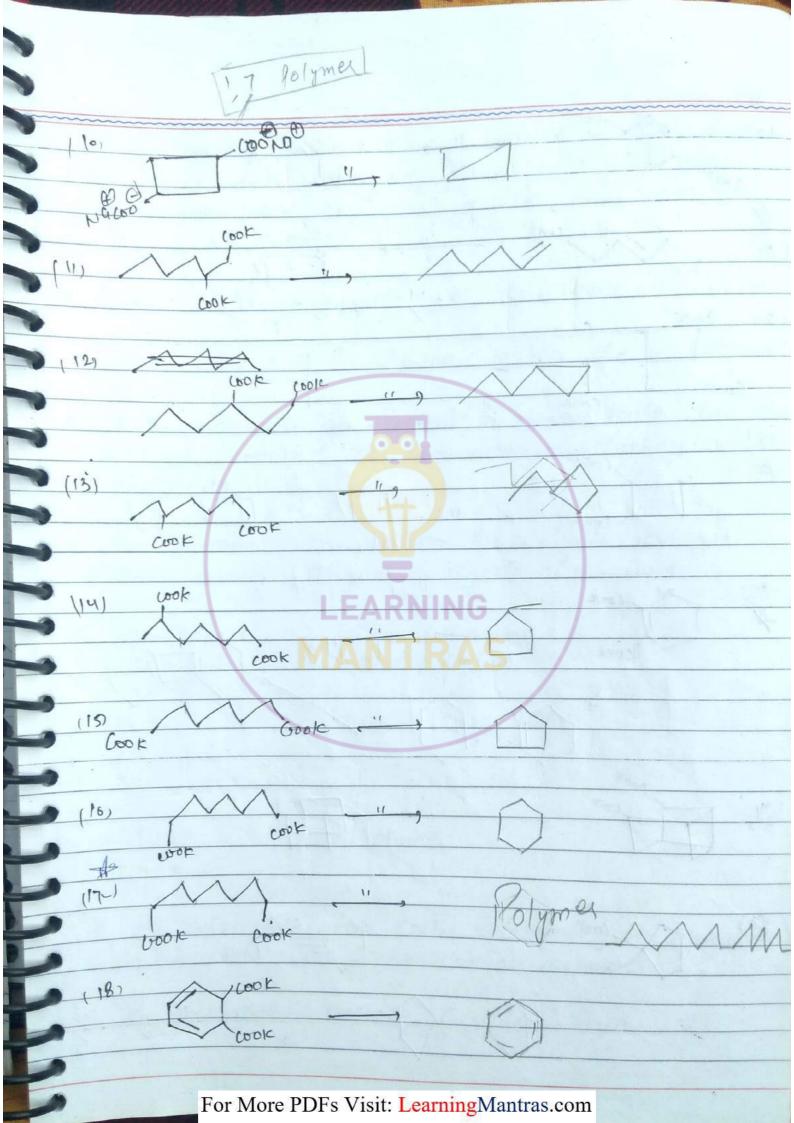


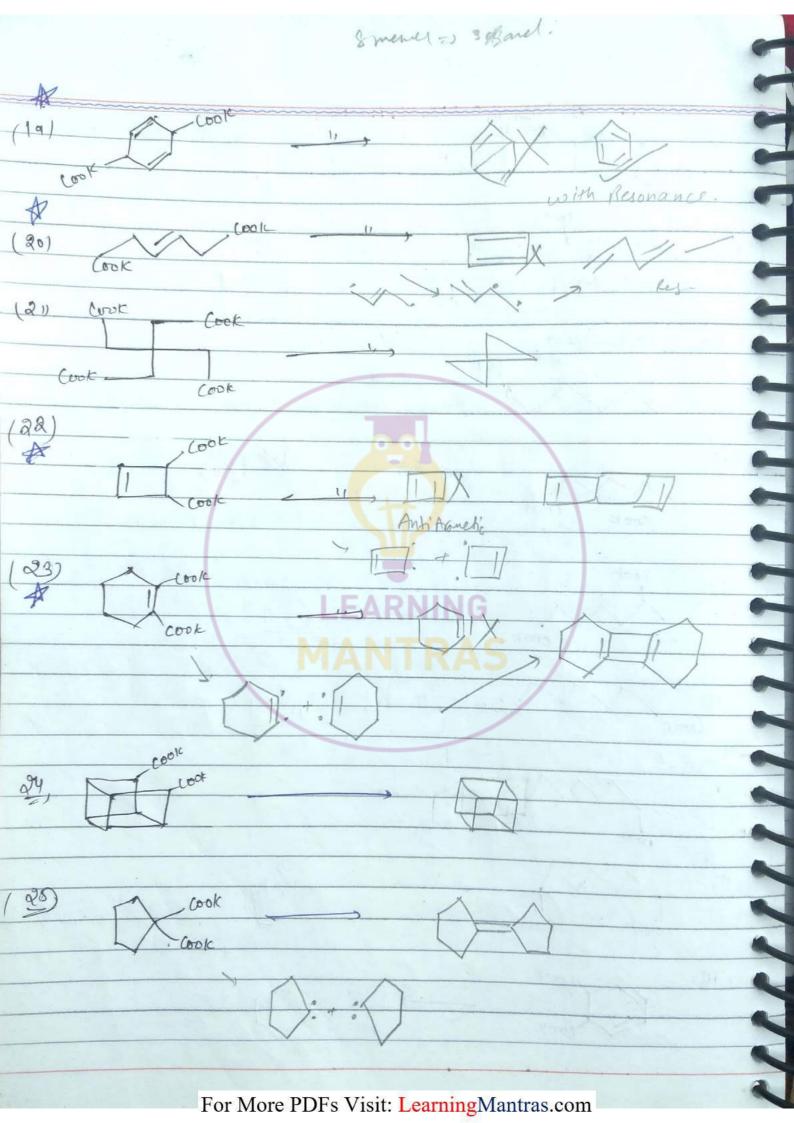


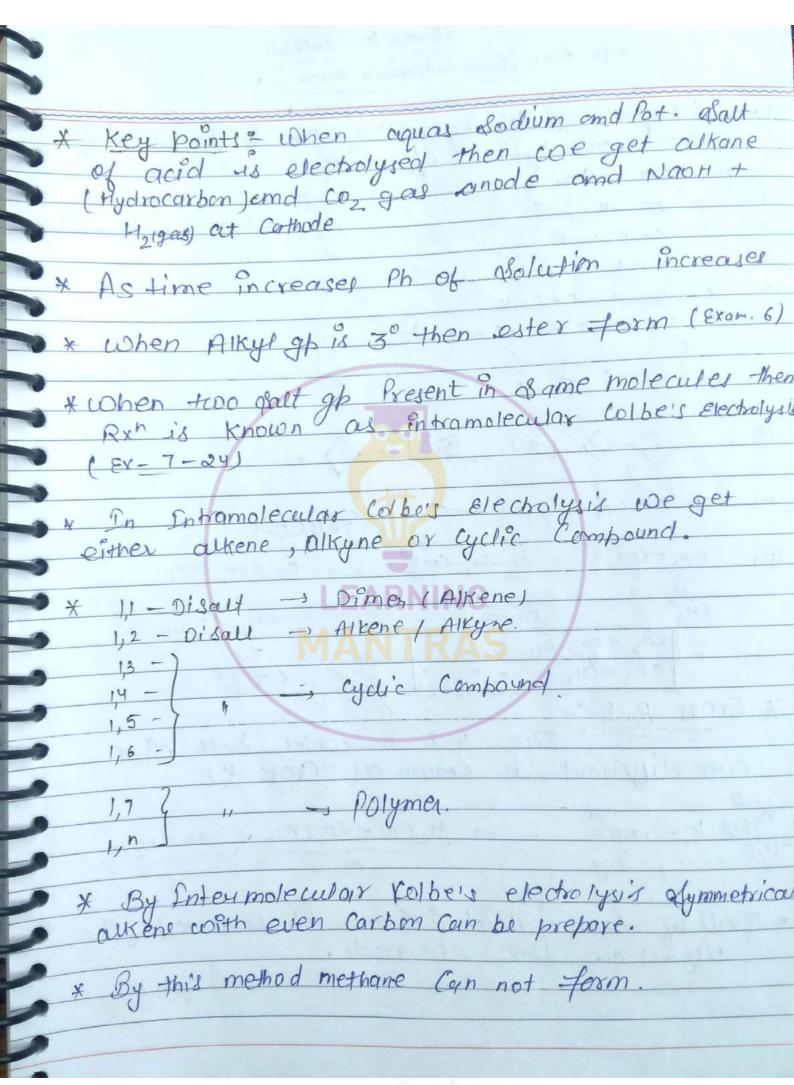




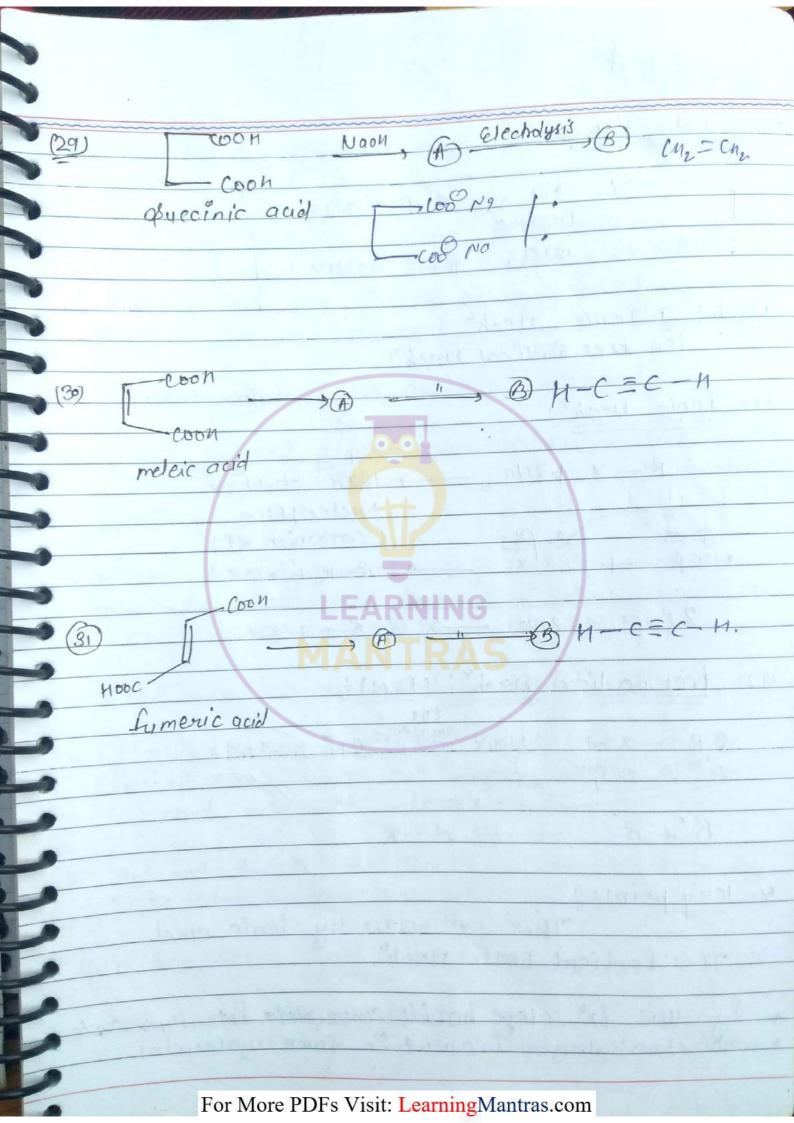








Remove 19 Certhool I can formic (ounde and capuade herous n) Colber electrolysic effectively 1) methone Cny x mid cert Por Sym family ove different is known as Gross KE. * Salt of formic Acid (God or Poto formate) give

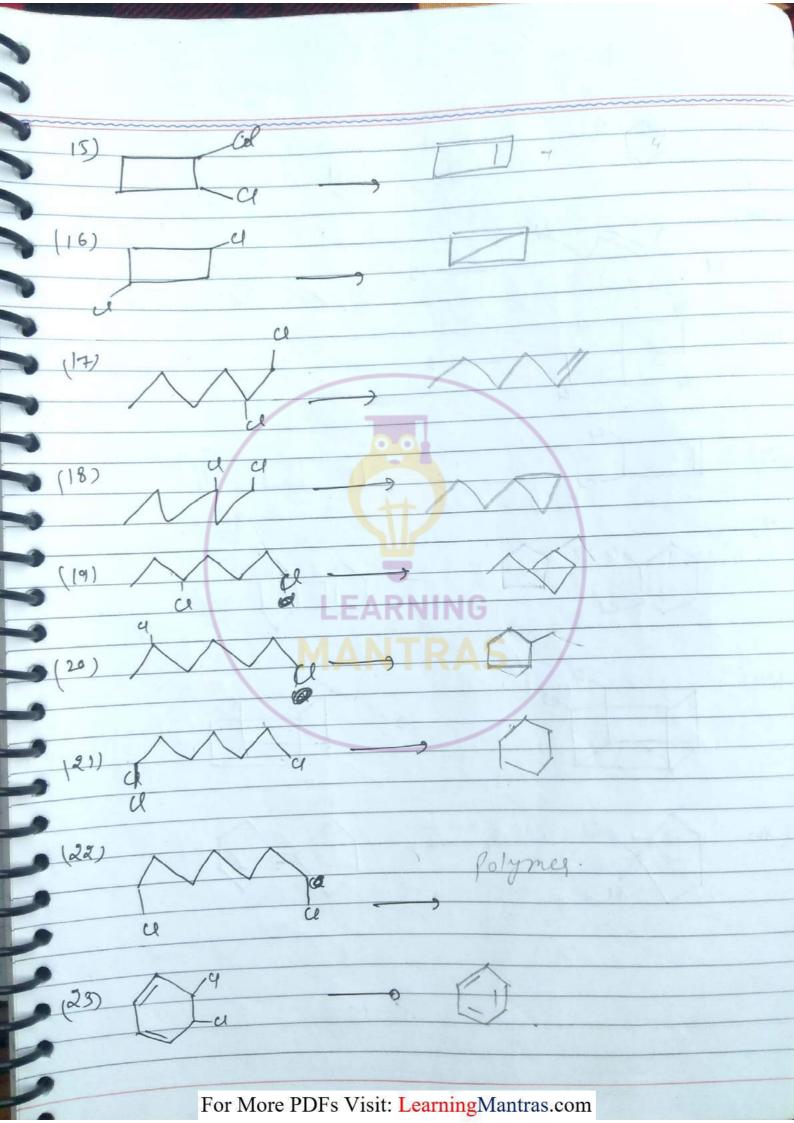


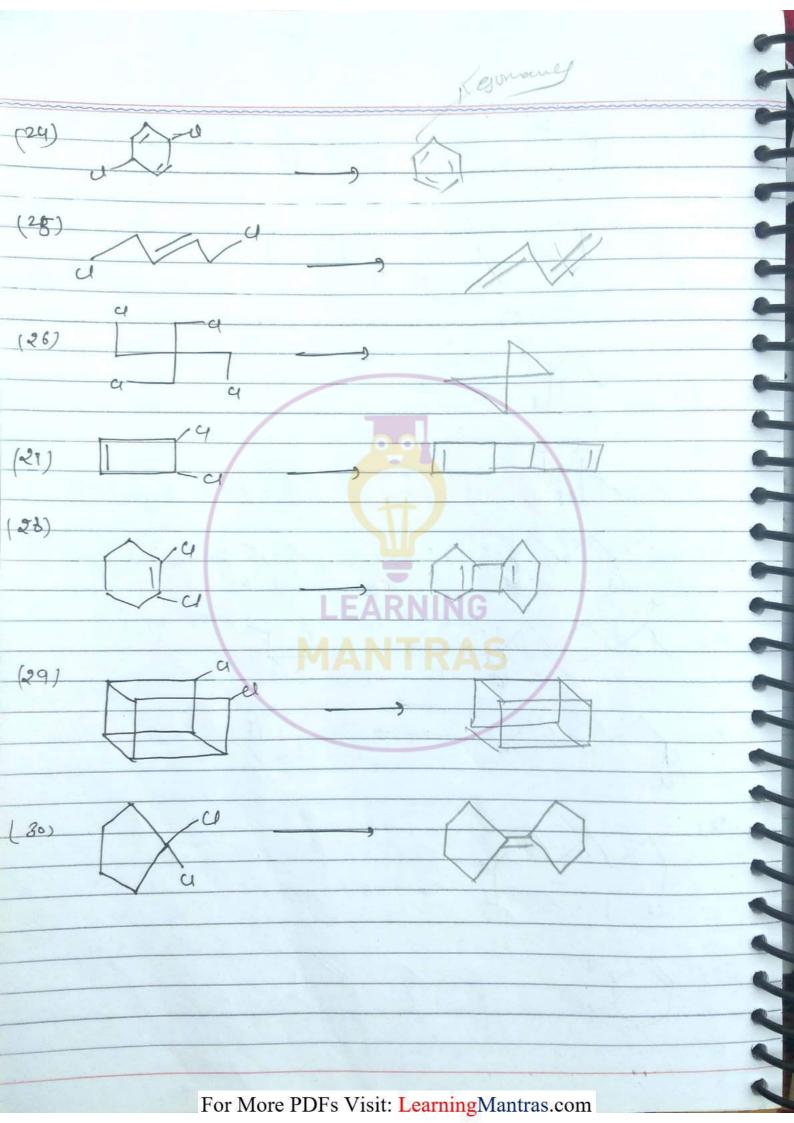
* AAAA * Wwytz Rxn = x Na , R-R+ Nax 2R-X ONO, R-R +2Nax. Mech: O Sonic Hech (2) Free Radiced Mech". DRX-2Nax (1) Tonic Mech! R-X+2Na -> NOR + NOX Nycleophile (cartanim RI) 2R-x + 2Na -> R-R+2Nax. *(2) free Radical Mech": (FRM): R+R -> R-R * Key points; This Rxh occur loy ionic and free Radical both Moch * By this kind alkyl halide converted into phydrocarbon when two halogen Present in same molecules

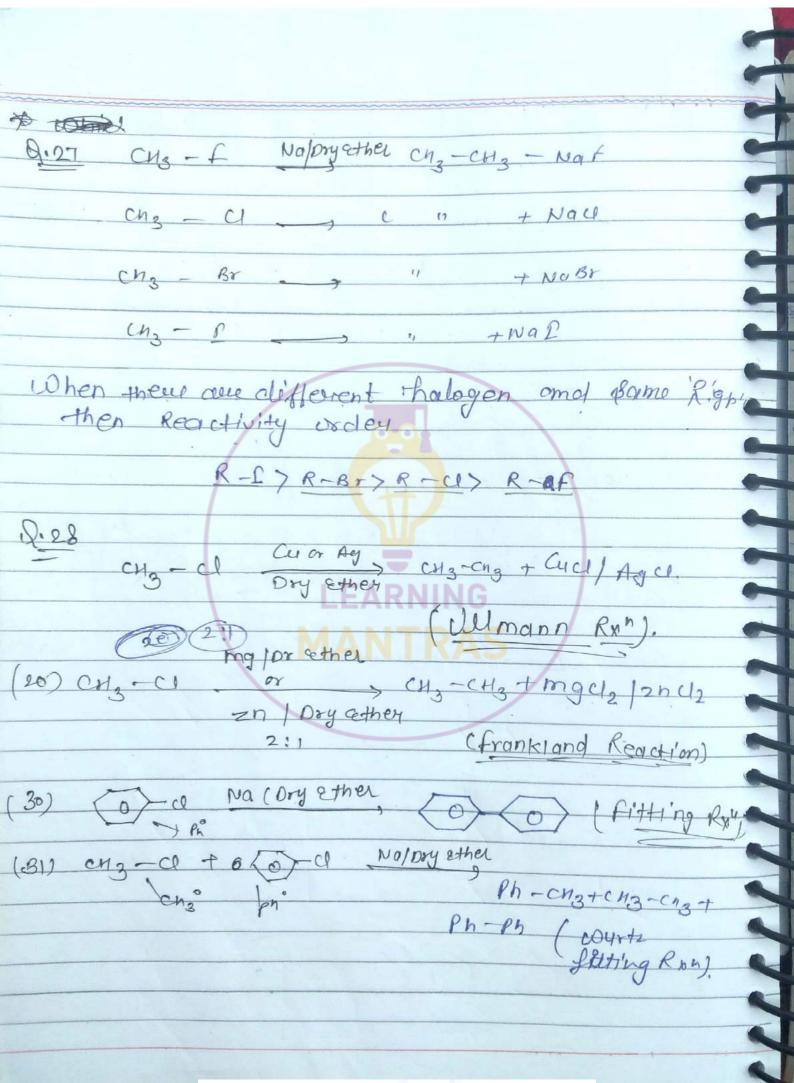
then Rin is known as Imwe (Interamolecular wourte * In Imwe Broduct is either alkene in albyne or Cyclic compounds. By men Priter molecular wurtz Rxn Alkane with even carbon and asymetrical structure can be prepared. * By this method Chy Can not prepowed & By this method alkane with odd no of Carbon atom like Propane, Pentane, Hectaue can not prepared effectively. * when two different alky halide React then more then one Broduct form. The Rxh is known as CWR (cross wurtz Rxn) * CWR are less Important for us. * If alkyl halide is 3° alkyl halide then in the flace of combination Rxn dispropotation Rxn occur and we get alkane + alkene. * Solvent for this Ranghould be dry ether or dry PASC Polar aprotic galuants. Q.112 2013 tcl Dry ether CH3-CH3 > 2 cm; toward (2) Chg-CH2 2CI > Chg - Ch2 - ch2 - ch3

2 dame -> 2 diff. comb. called disproportin Q. 1 CHO- Cocl 8) cn3-cn2-lood (9) (m) col (13) H2c- ch2 (14) $H_2C = CH_2$

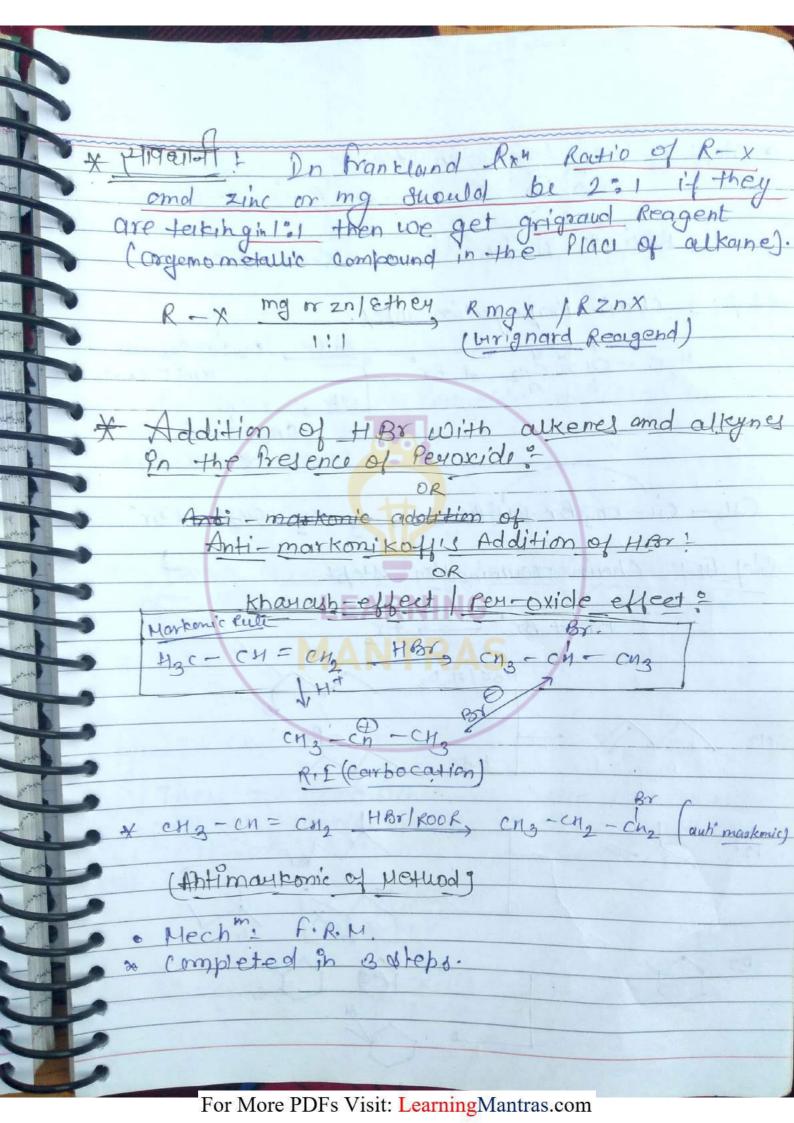
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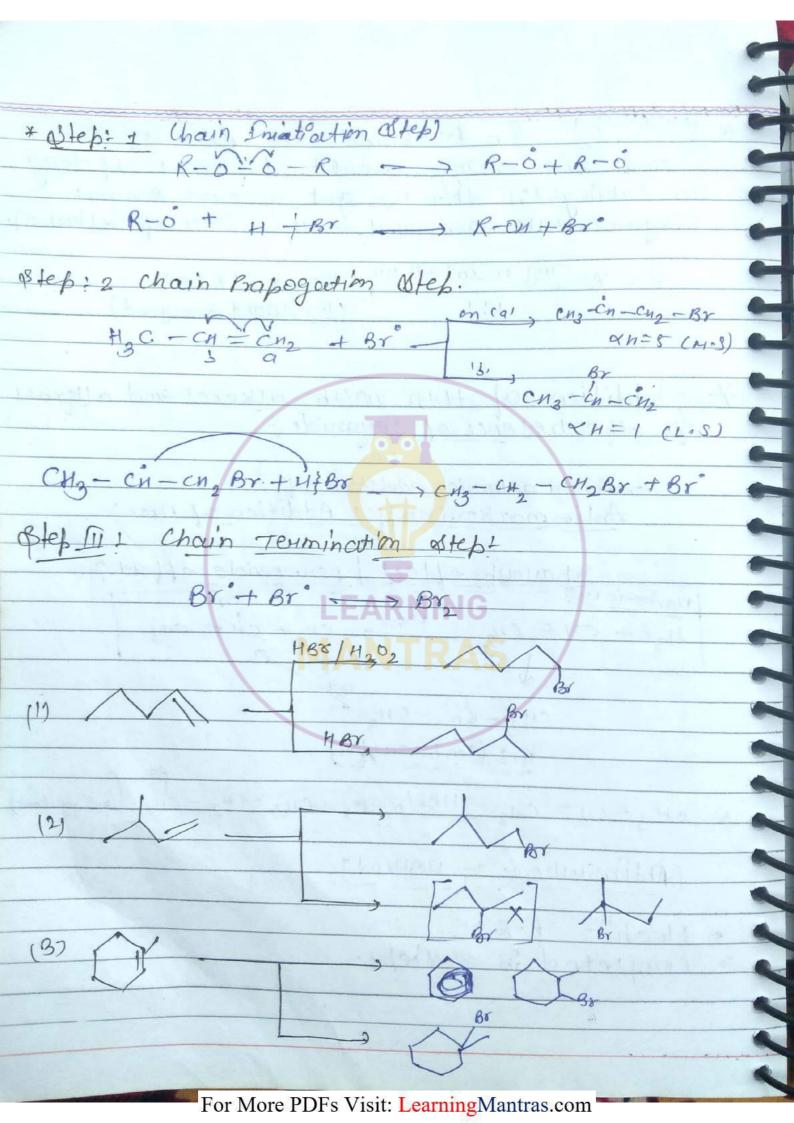


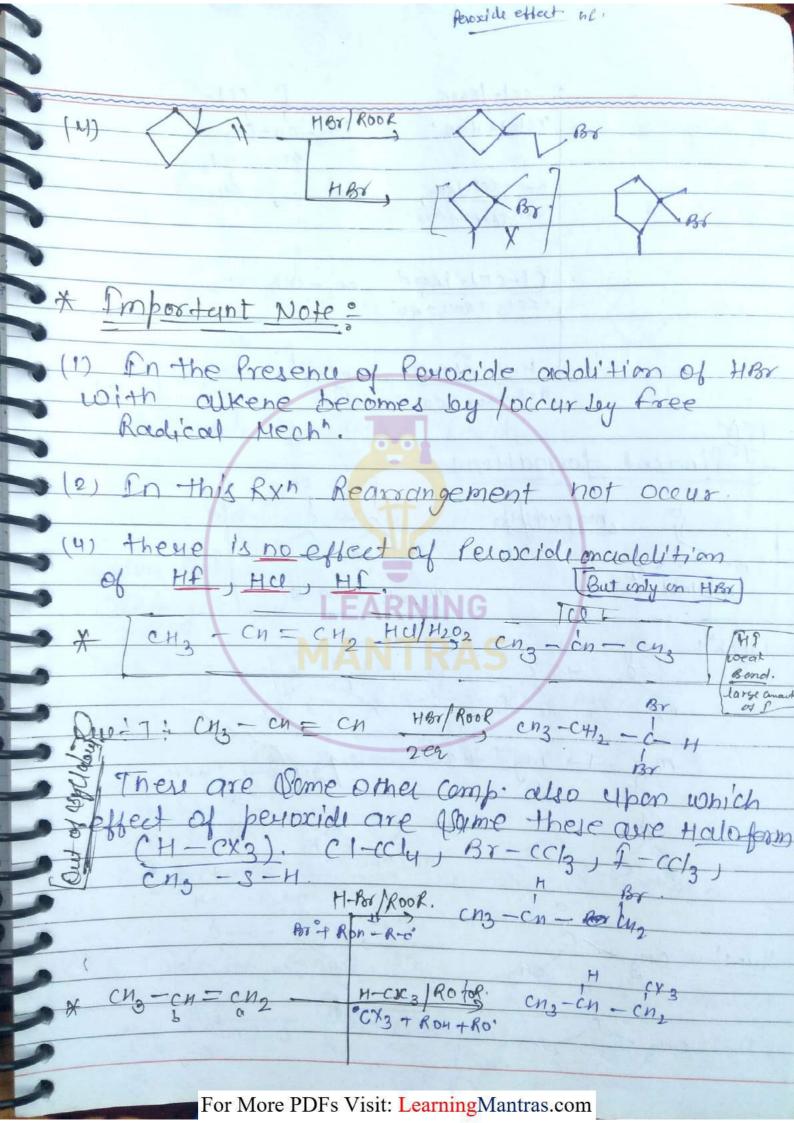


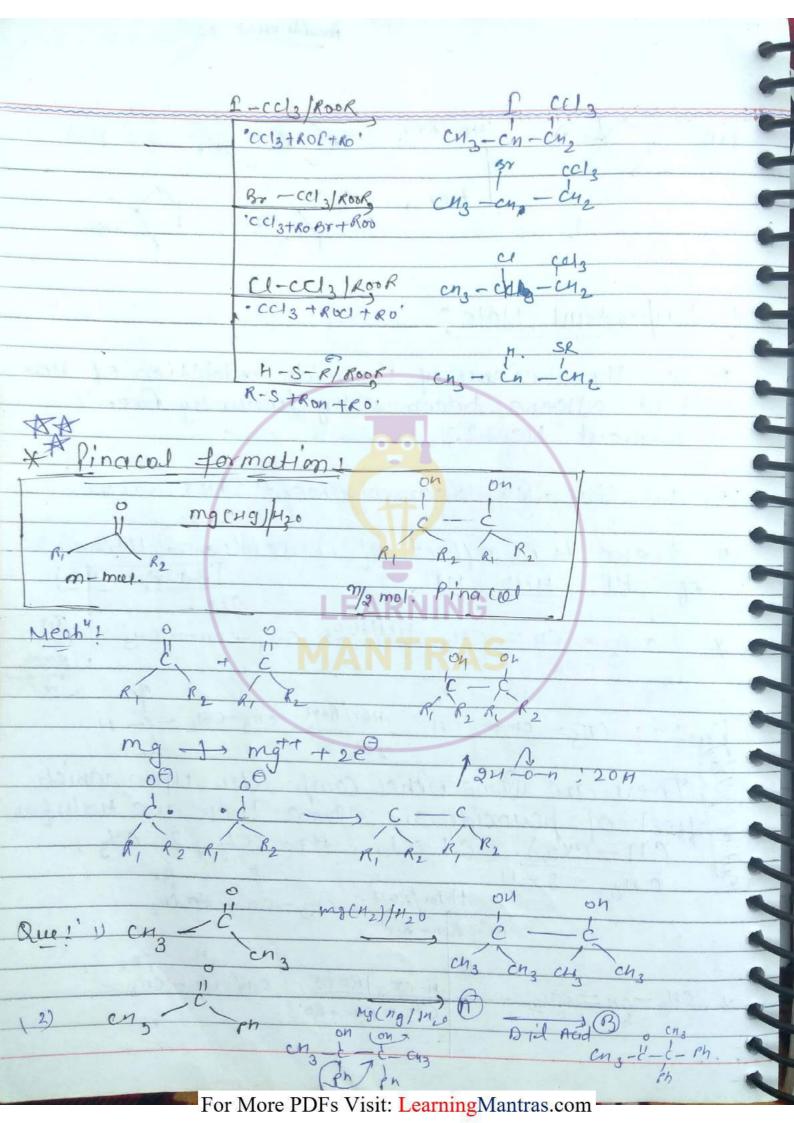


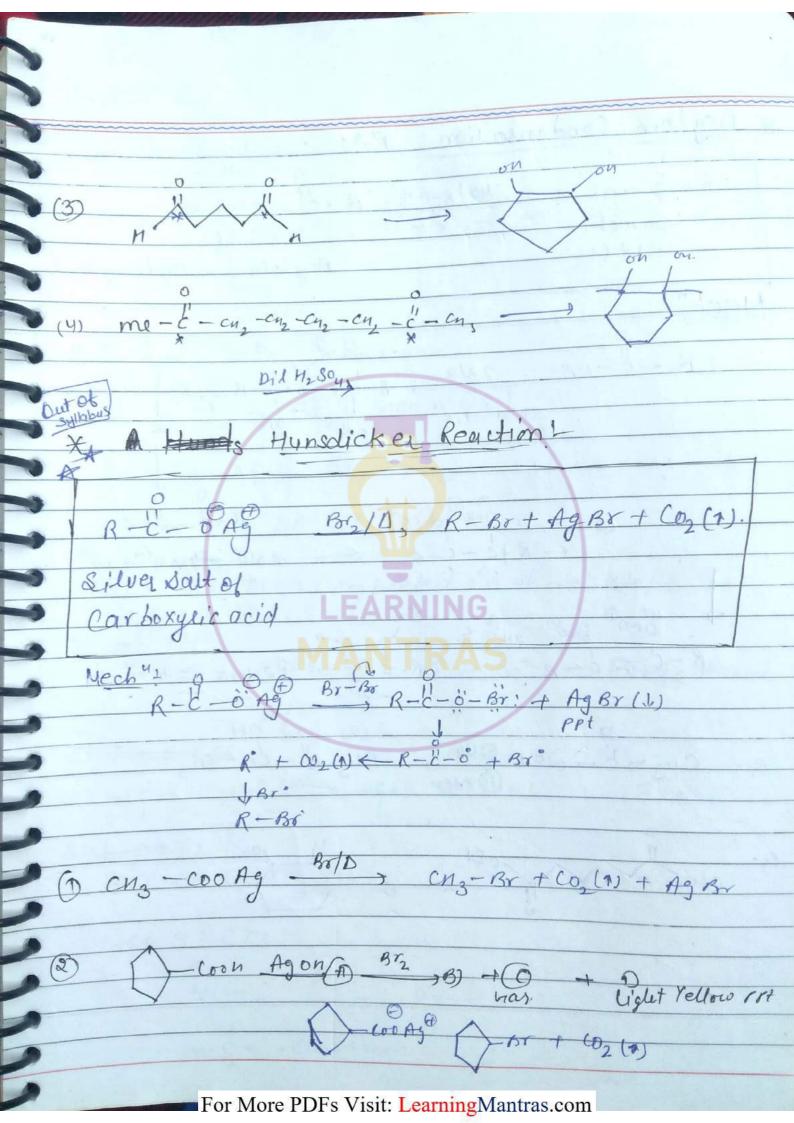
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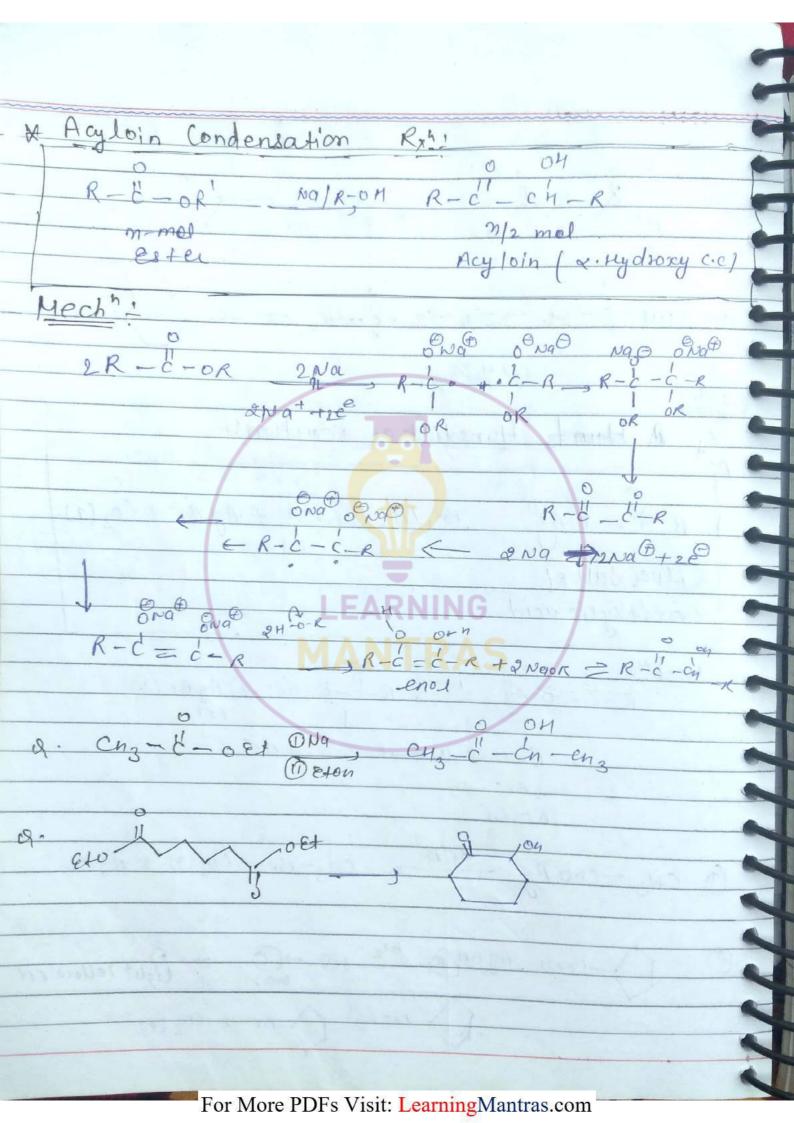


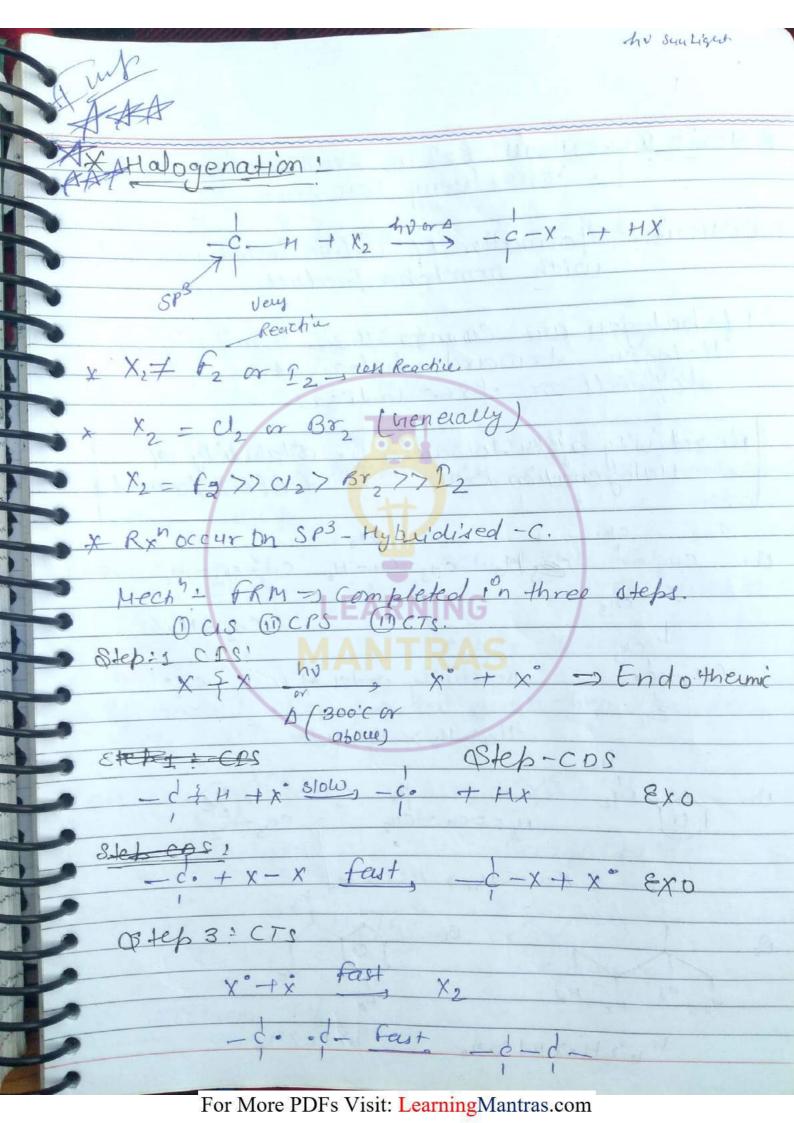






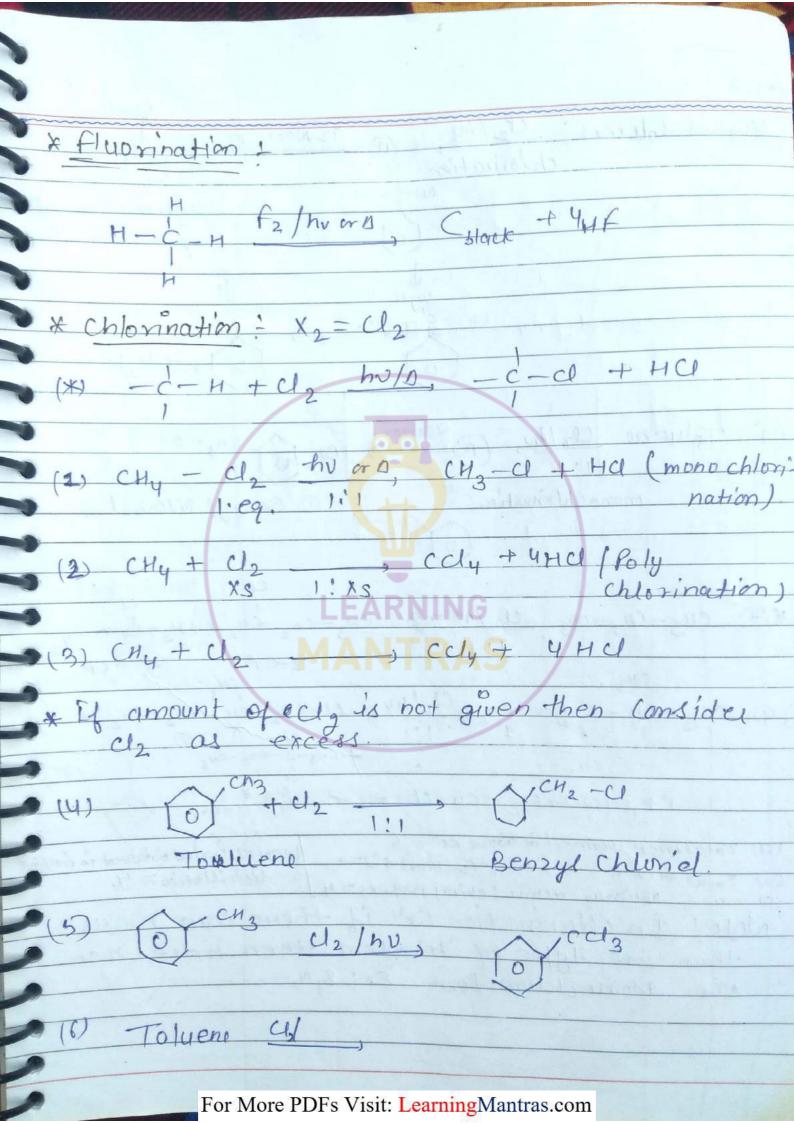


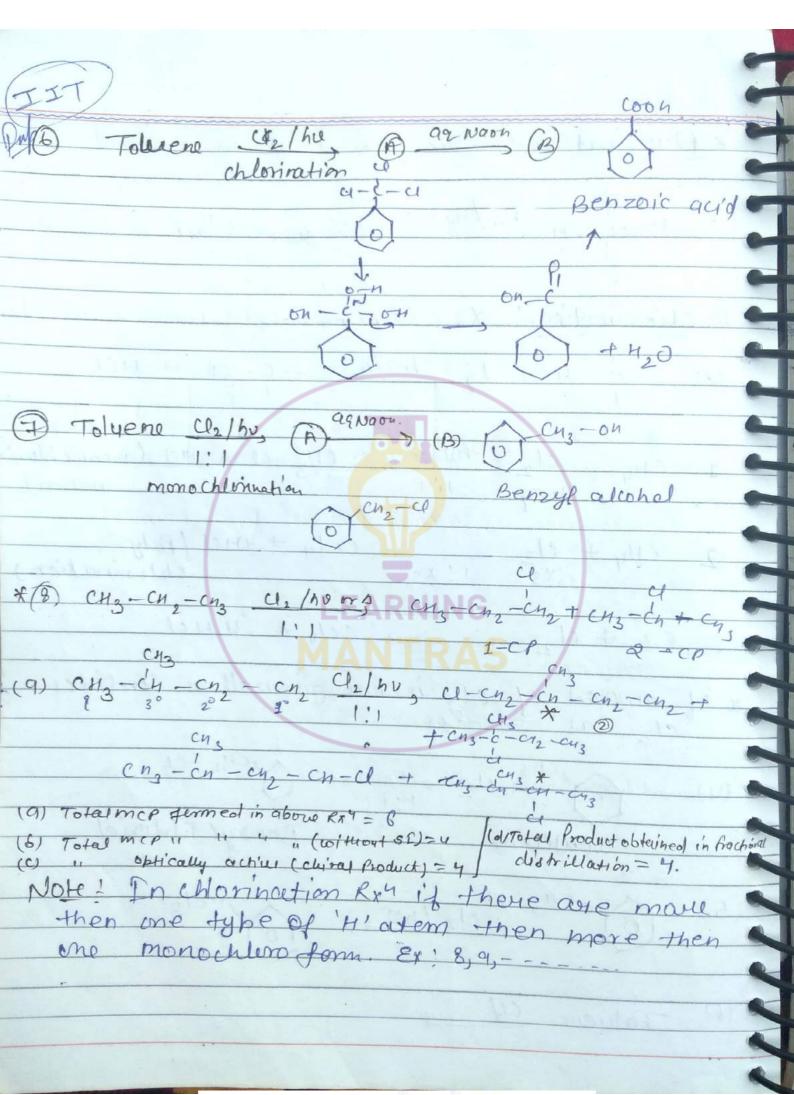




* Merit: > overall Ryn is exothermic.

Takes very less time. * De Merits: formation of Unlike Unchaha product. If halogen are Common then Reactivity of Halogen toward halogination depends on free ladical Reactivity of 14'towards & Stability of Hatogenation Rxh F.R(RS) formed d. cn3-c-- Ch-Hb cn3-ch3-Hc Reactivity order of H ch3. Ha>Hs> He>Hd RO -1 Ha) H5 > Ha H b) Hc > He Hby Hcy. Hd > Ha





hinter. her	417	Follo	W IND	J
molecules Product	I a	5	c	d
Ethene.	1 1110	102		
21				
m-Butanel				-
3) Con Quitar a			1	
fso-Butane.	14	3	2	
M-Pentane Da Co				
will inthe annual to anti-toutable for	- V	13/6	20	-
5)				
Isopentane LEARNING	7	10		
(6) MANTRAS				
				-
A. (X O.) = / (A.)	P S S		1	
7. 1				
	1 13	N		
(8) Bor.				
(8)				
				-

* Determination of 1. of mcP (mono chloro Product).
Persentage of Any Promer = Relative amount of that Boney X100 R. A of Totalisomer
Relative amount of Any Gromer = No. of Responsible -HXR. Reactive.
Tuher M'H' 1° 2° 3°
Types 0 1'H' 1° 2° 3° R. R. 7 3.8 4.5
Pie Branch Branch Comment
Q. Determine 1. of Product form of an mono chlominetion of
Nopane!
QONY CH3 - Cn2 - Cn3 C12/nvord Cn3-cn2-cn2 + cn3-cn-cn3
1-cp(=4+1 2-cp 56/1
MINAR MATRI
K.HO 1-C.P = 6.0 X1.0 = 6.0
· R.A of 2-cr = 2.0 x 3, 8 = 7.6
1. of 1. cp = 6.0 ×100 600 × 44 ×
13.6
1. of 2-cp = 7.6 ×100 ~ 564.
13.0

2004 ## estal Make MCP and decide it of Product of form in iso Butane. 1 CP = Note: Chlorination can also be done by So, C/2 CHy SO2C/2/hvar D CH3-CH+ HCl + SO2 (4) U2 + 50, (N) - C-H (SO, +c/2)/A or hv - C-SO, Cl + HO (REED S RX4). * Bromination: X2 = Bos Mech": dimilar chlorination. Due to less Reactivity than con Bro chloning Bromine 1s a selecting Bromowiting agent (i.e if more then tychrogen Present in comp. then it Brominate most Reactive typhogen

Sayalya-2 [2:30 -5:30] PM 11) CH3-CH2-CH3 Br2/hu, CH3-Learning Mantras
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