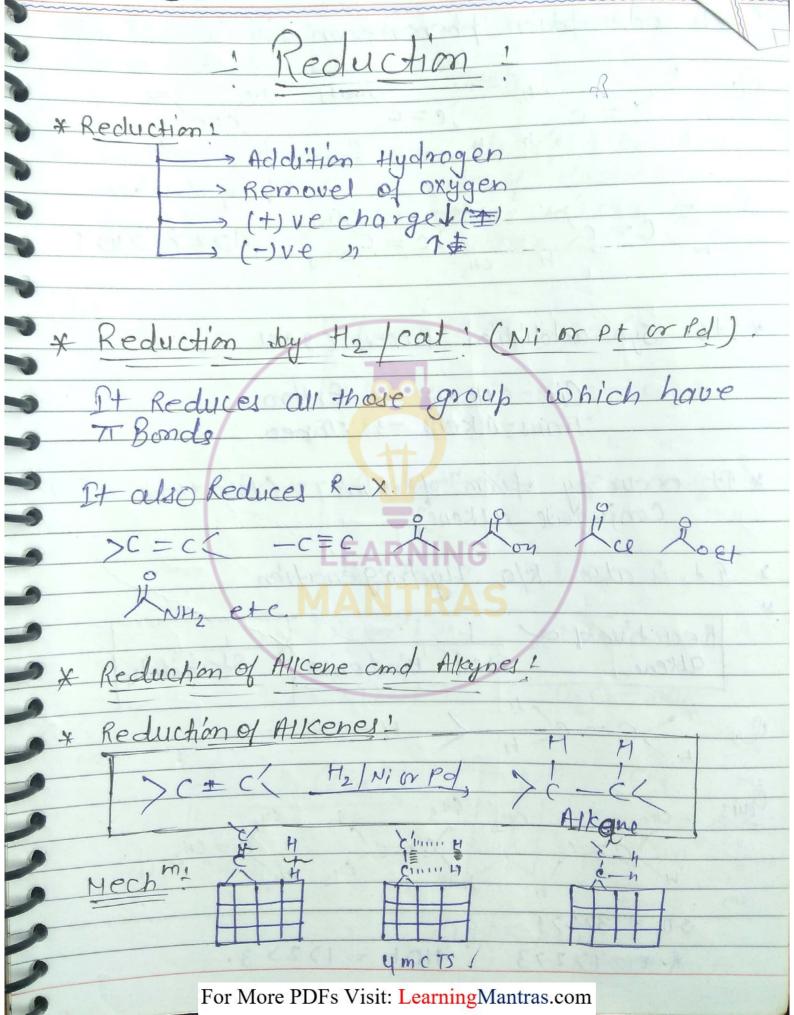




Handwritten Notes On Reduction





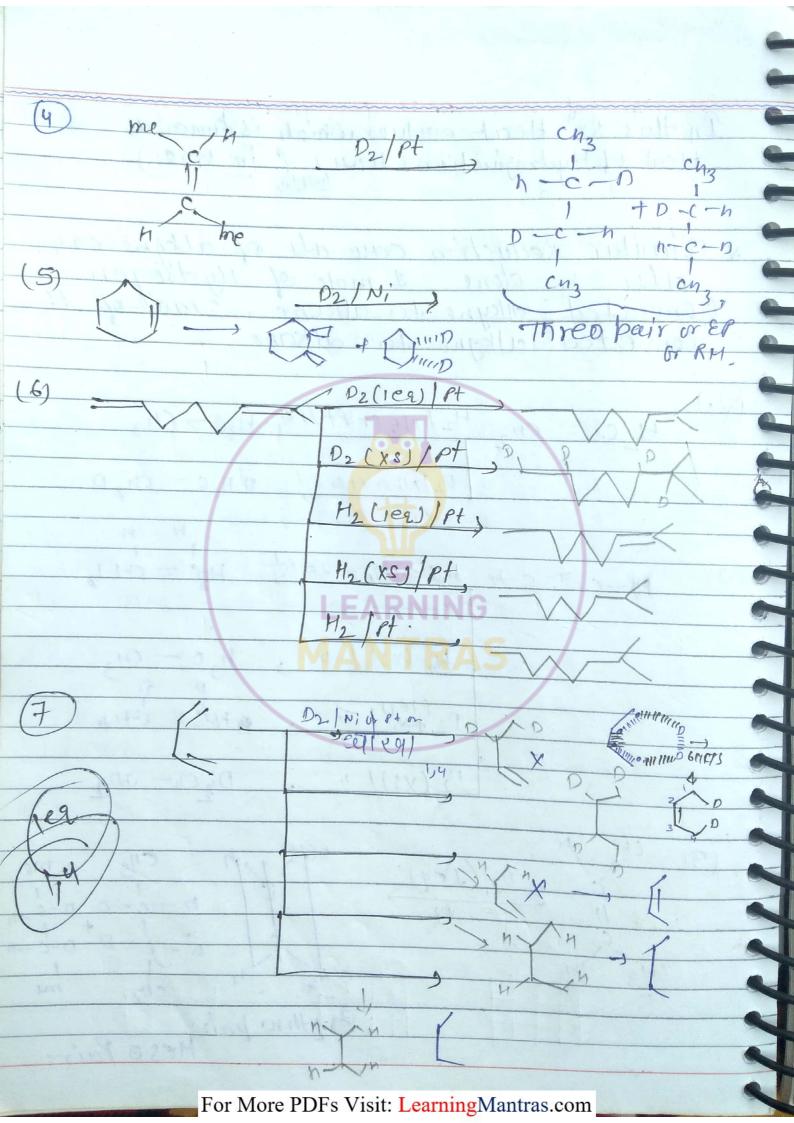


## of b- Elethophilic

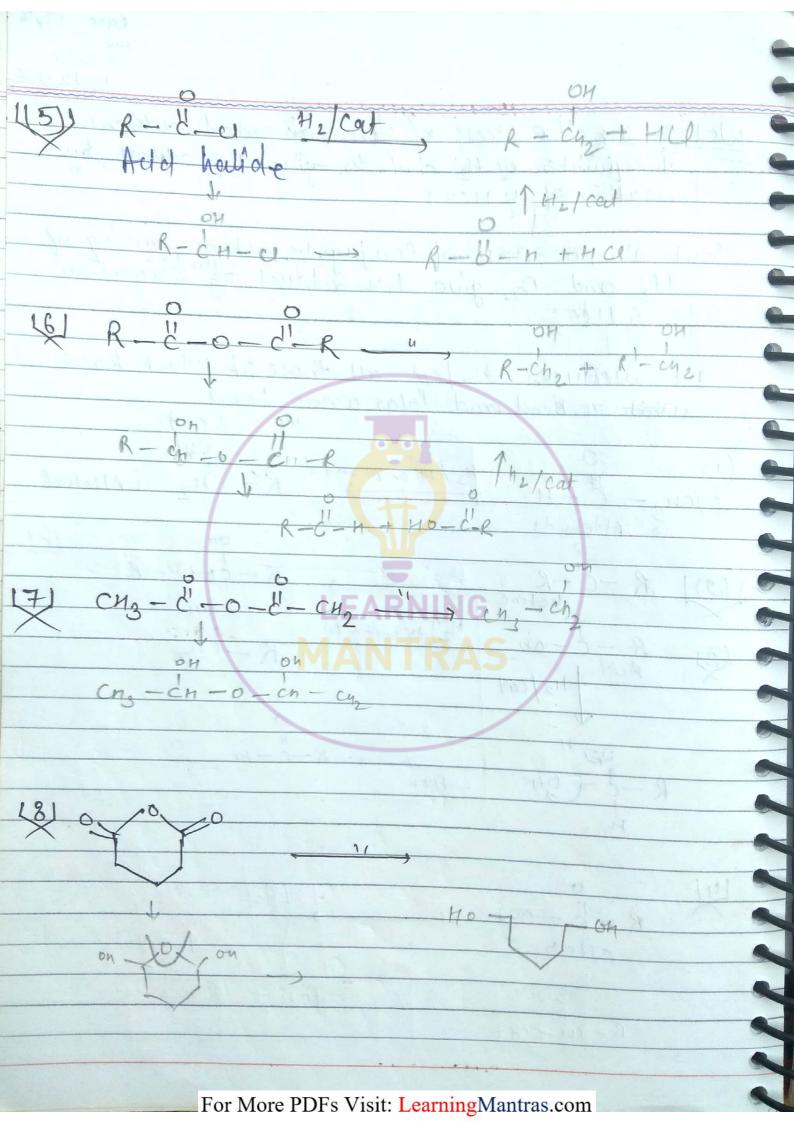
Its adsorption phenomenon me me  $C_{m_3}$  C = C  $C_{m_3}$   $C = C_{m_3}$   $C_{m_3}$   $C = C_{m_3}$   $C_{m_3}$   $C_$ \* Its Syn addition Process (SAB) Cis -ackene -> Erthro Trans-Alkens - Three \* It occur by form" of y-mcTs (for Non Conjugate alkene) \* It is also k/a Hydrogenation Reachived ~ 1 alkene Steric Hindrenco Sterbility Q. 1-C=C-n  $CH_{2} \qquad CH_{3} \qquad CH_{3} \qquad H \qquad CH_{2}$   $H \qquad C = C \qquad CH_{3} \qquad CH_{3} \qquad CH_{2}$   $H \qquad CH_{3} \qquad CH_{3} \qquad CH_{3} \qquad CH_{2}$ R. 0=17273 HOh = 17233.

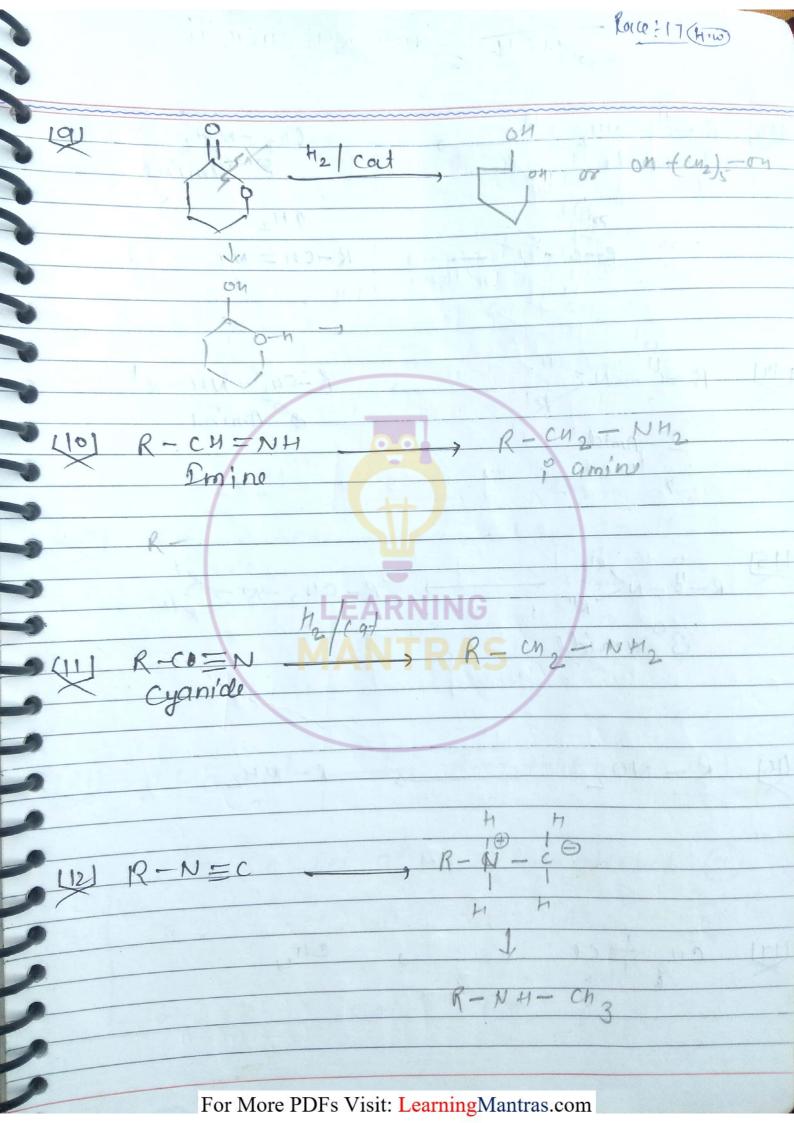
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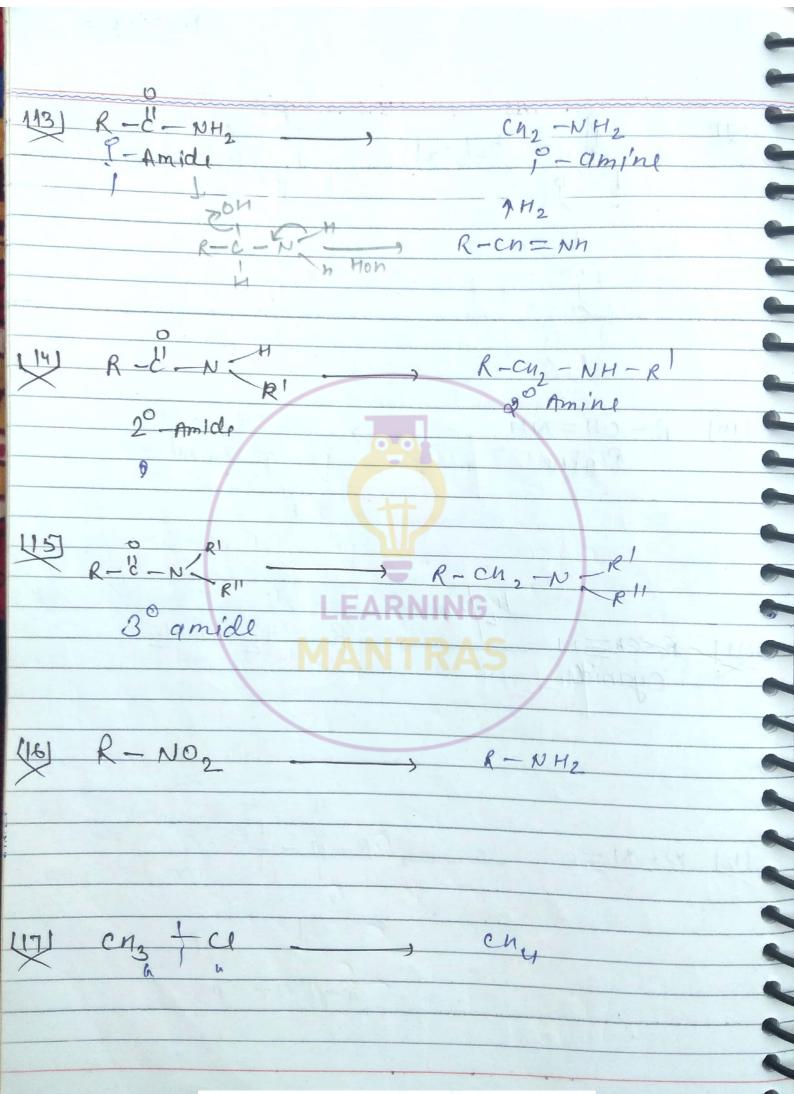
In this Rx' Heat evolue which is known as Heat of Hydrogination (HOH) (in Goc) \* Similar Redychon can als of alkyne cay converted alleyne to alkene, 2 mol of H converted alkyne to alkans H2C = cn2 H2/Ne cr Pt/pd H3C - Ch3 D2/Nimptorpd DH2C-Ch2D H-C = C+1 H2(1eq)/Ni or pt or Poly H-C = C-H H2 (xs) / 11 , M3c - cn3 D2 (1eq) Erythno pair. Meso Pair For More PDFs Visit: LearningMantras.com



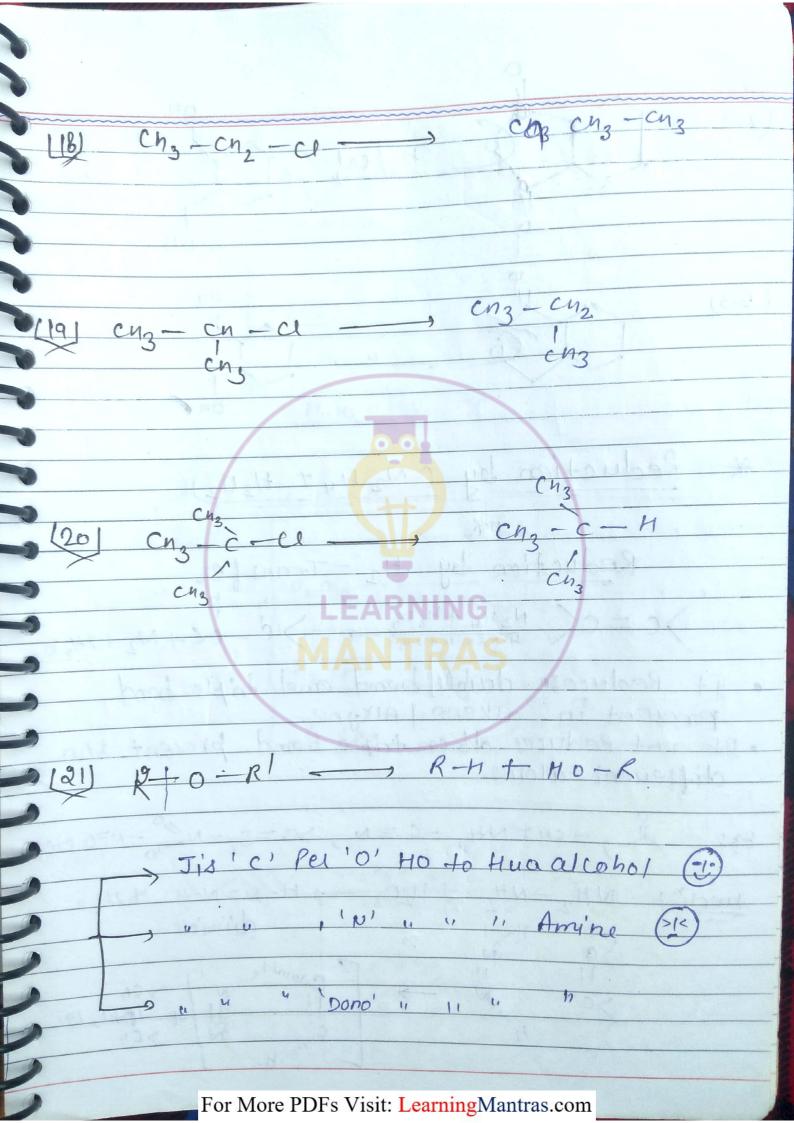
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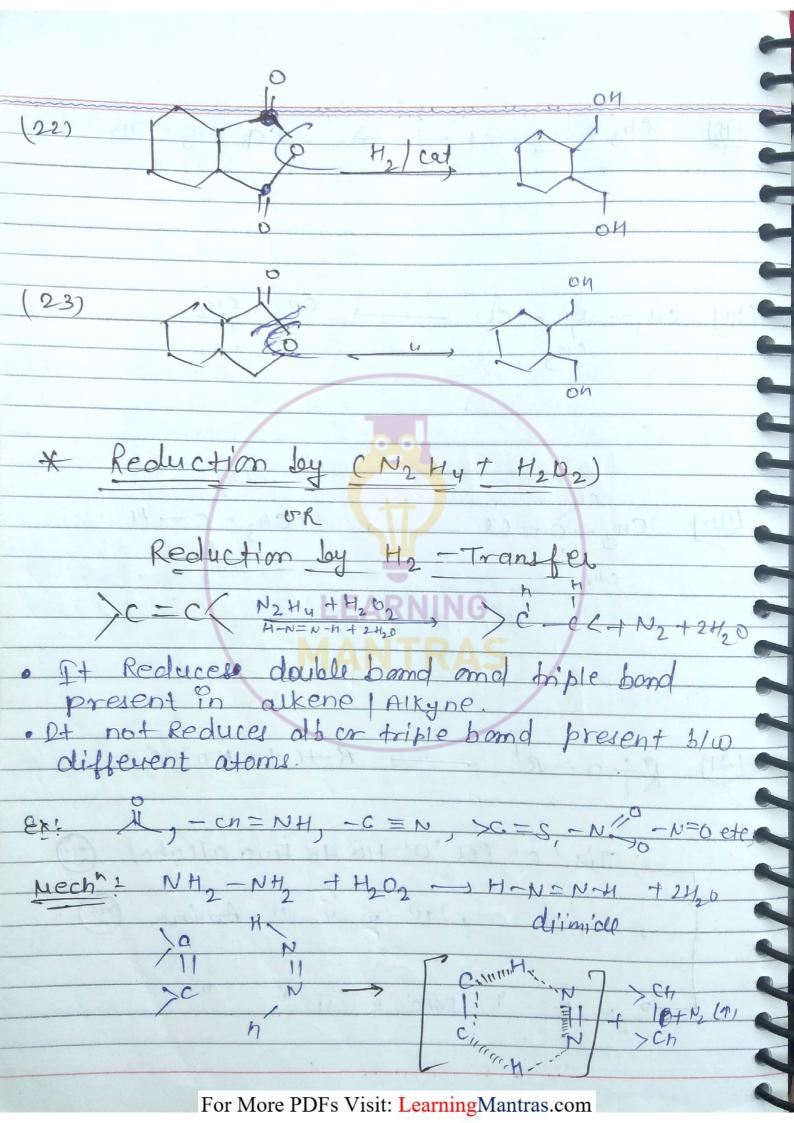


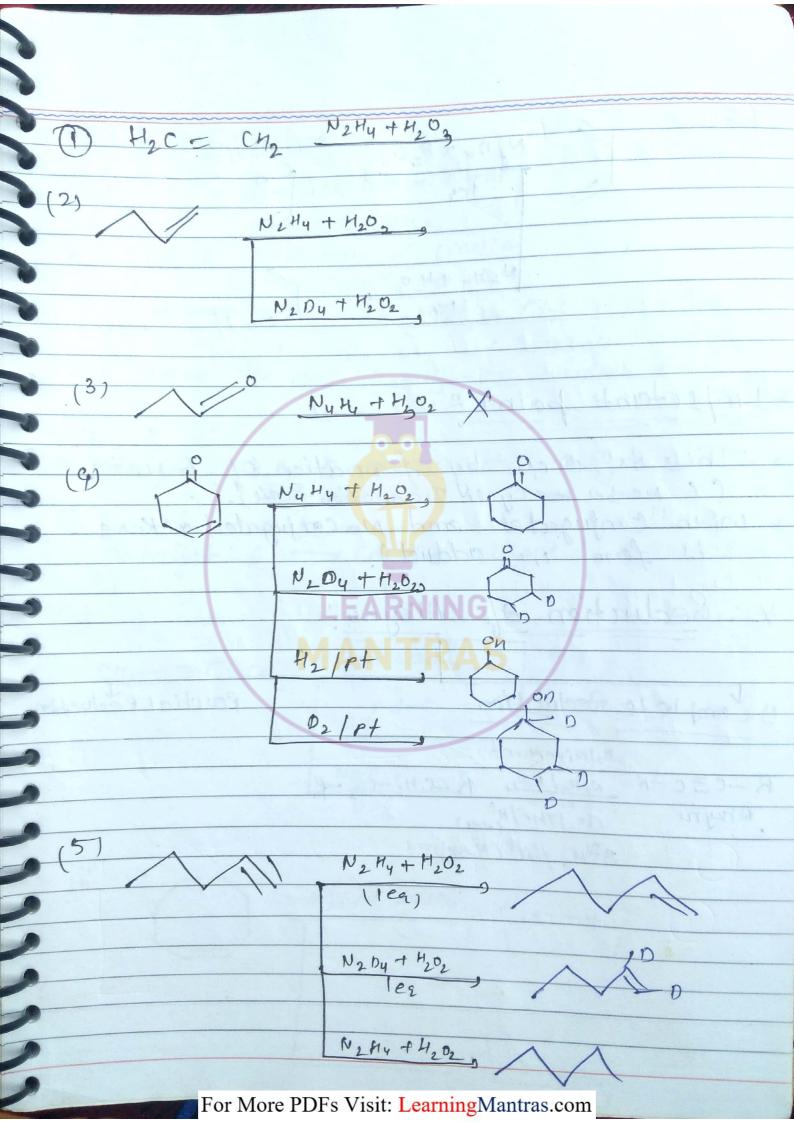


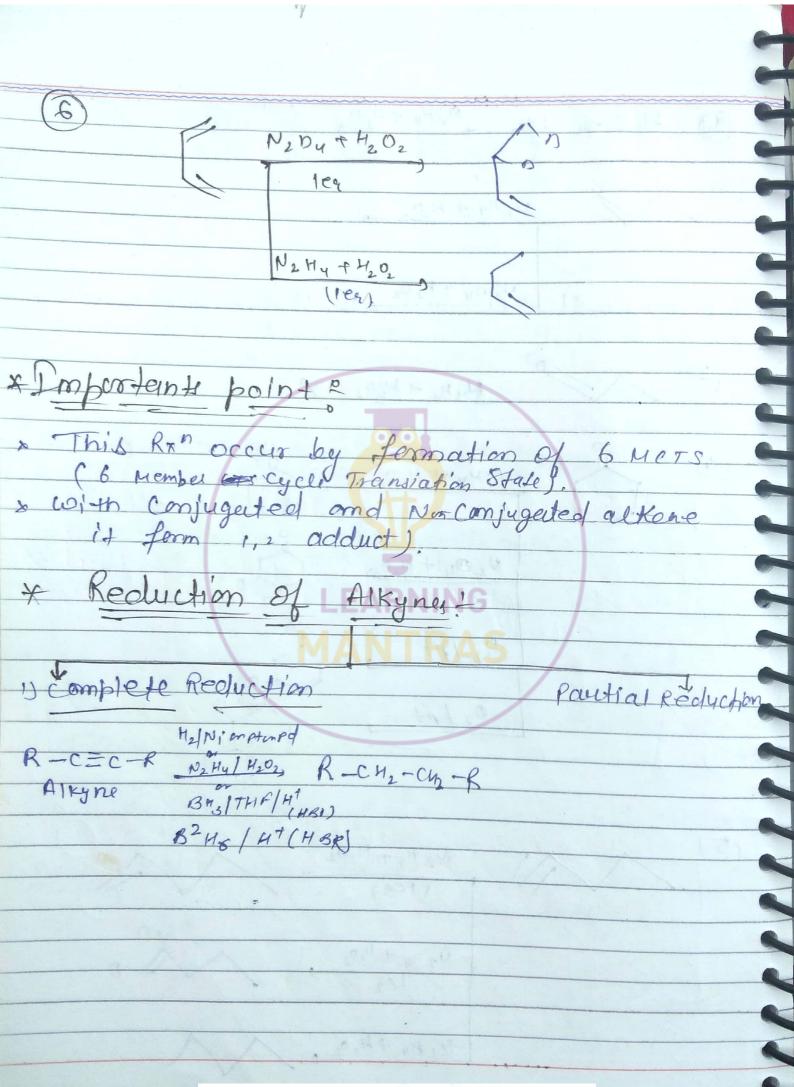


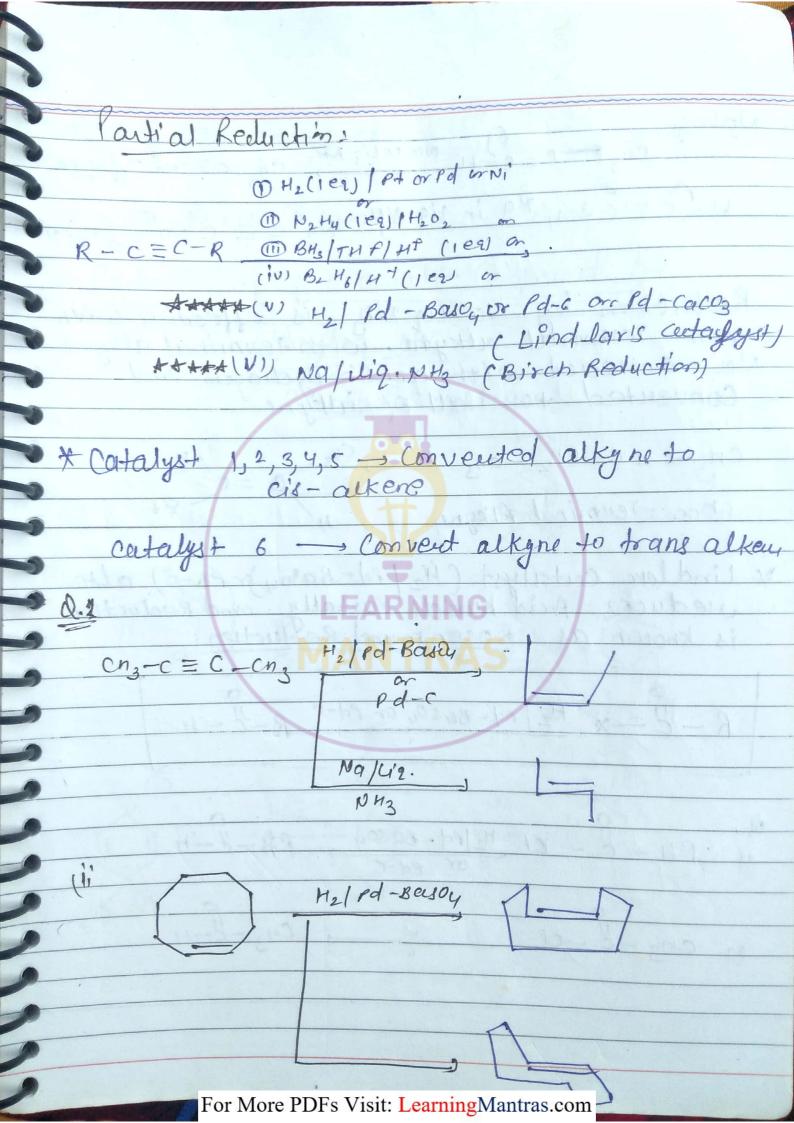
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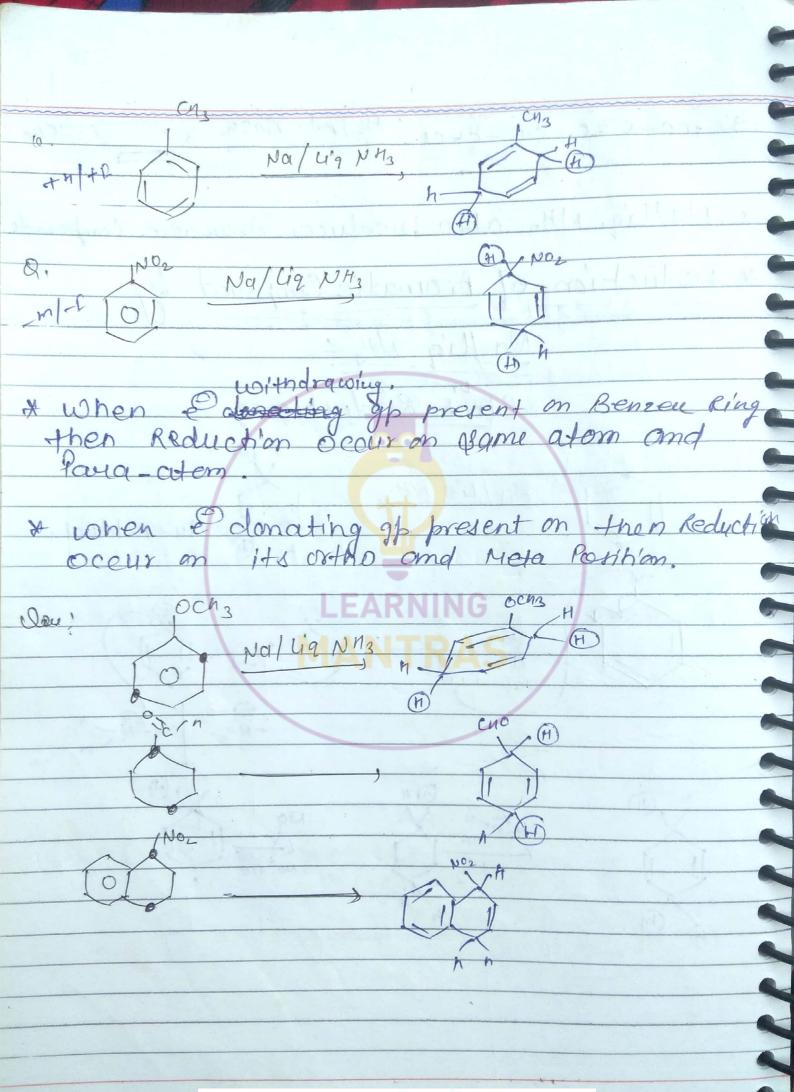


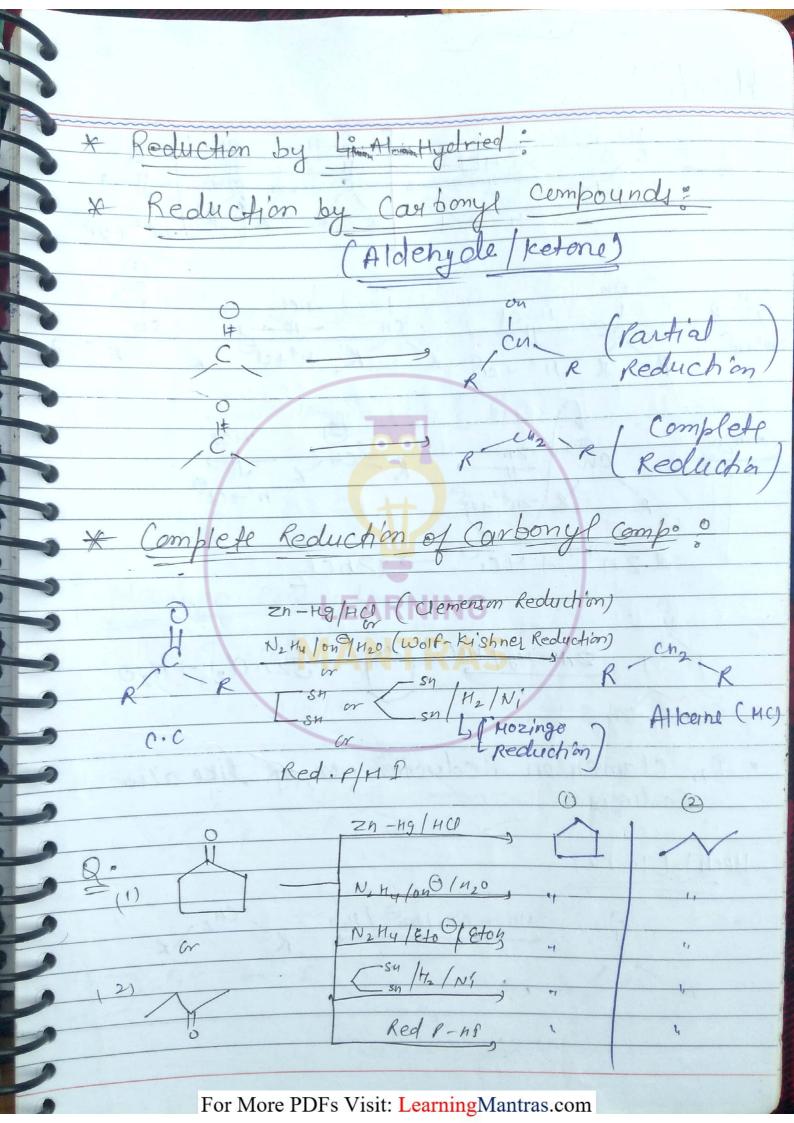


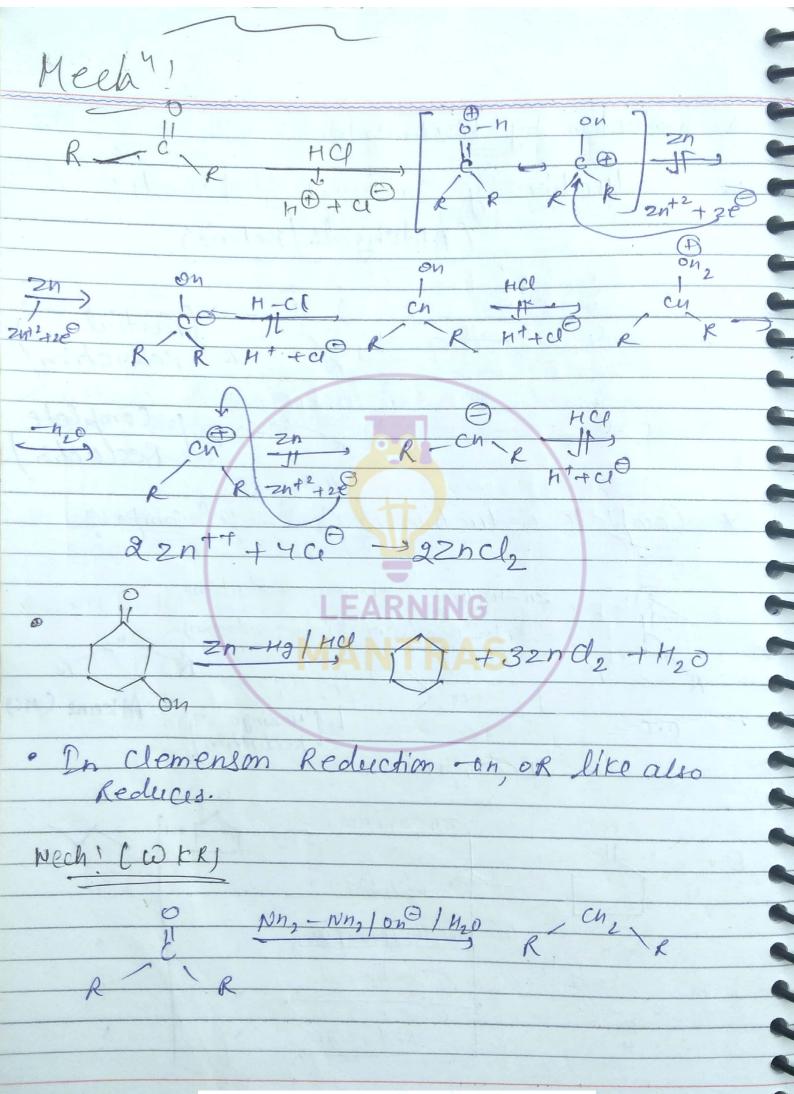
Note:

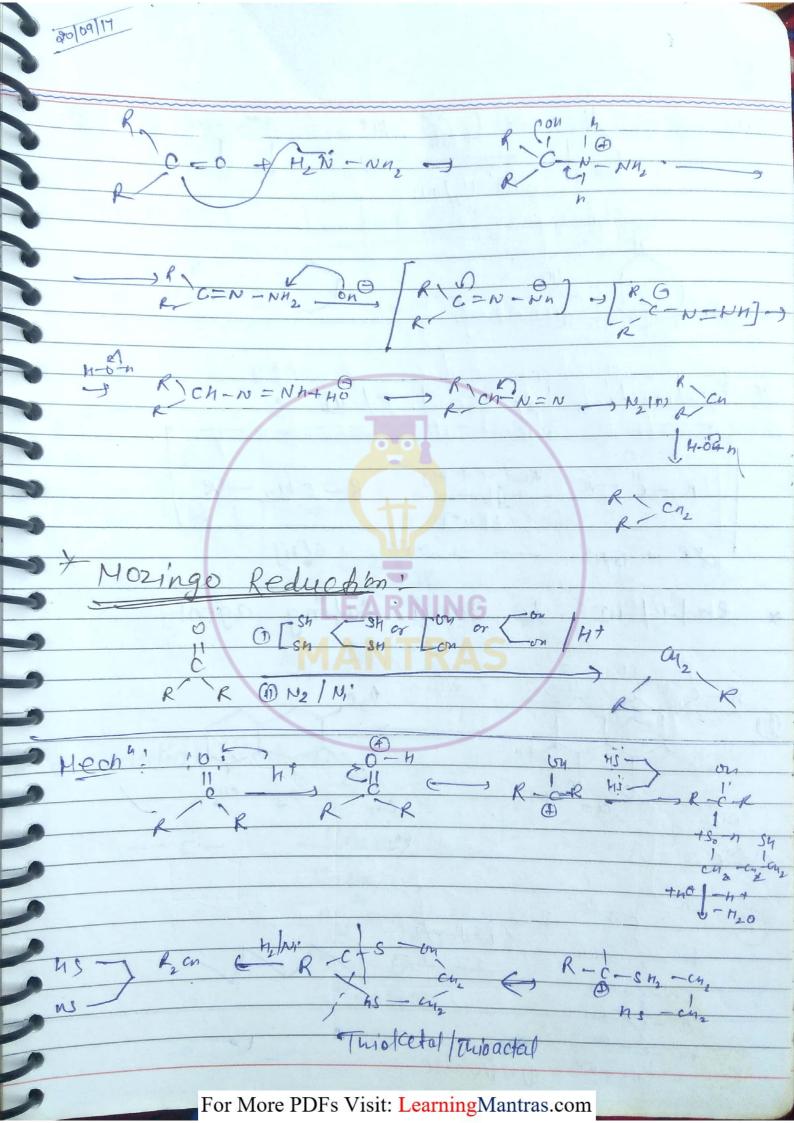
Cn3 = C = C - H Now in Liq NH3 Cn3 - C = CN2 + 1 42 (9) H-C=C-HNa in Lig Nns Ng&B C= CNg+ 1-1-12(N) Reduction by Na Lig N/3 is effective with non- Terminal alkythe. with terminal alkyne Now & react with acidic hydrogen and Converted to dout of altyne  $Cn_3-c=c-cn_2-cn_3$   $Cn_3$  C=cnon Teaminal Alkyne \* Lindlar Centerlyst (H, 1Pd-Bason gr Ph-c) also reduces Acid hali'de Partally and Reduction is known as Rosenmund Reduction R-2-x H2/Pd-Berson or Pd-C R-1-H 1) PH-C-KI H2|Pd-Basoy PH-8-4 2) cn3-c'-el 4 Cn 2 - 2-11

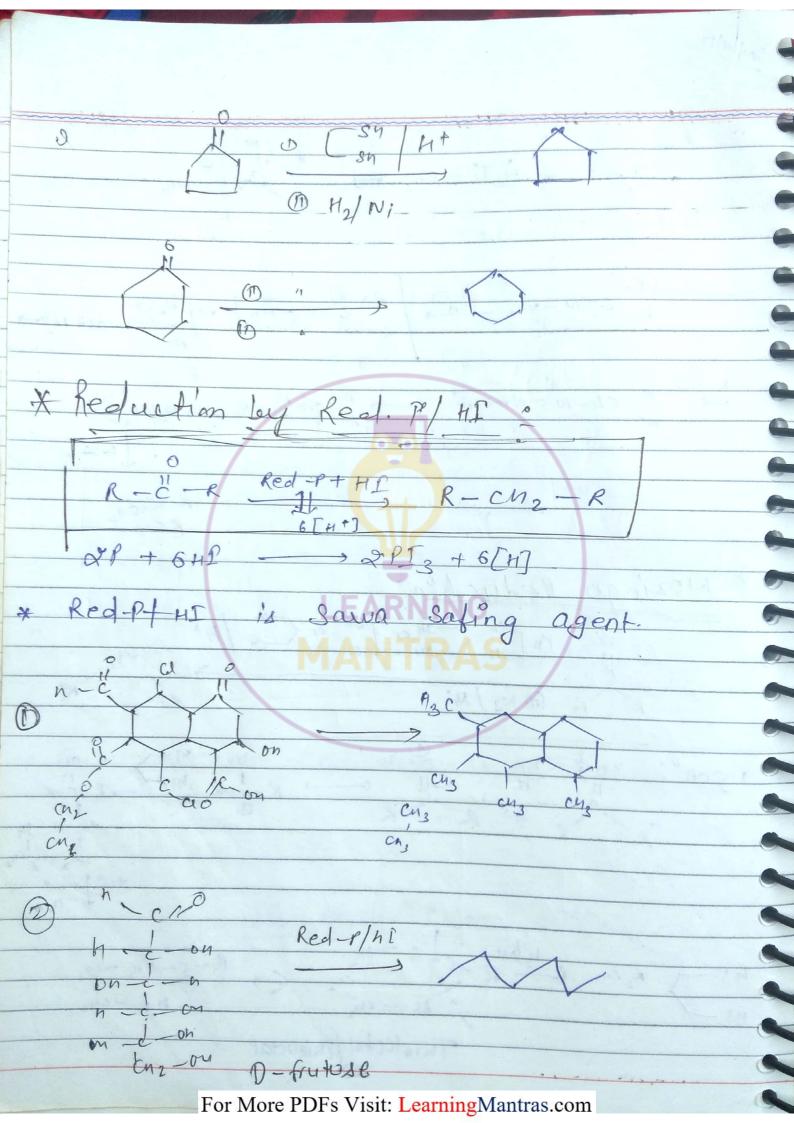
H2/Pd-Basoy (3) me-c=c-cn2-2-c1 Na/lig. NH3 also reduces Axematic Compounds \* Reduction of Aromatic Compound by Na /liq. NH3: Birch Reduction o Na / 4'9 NH3 (n)

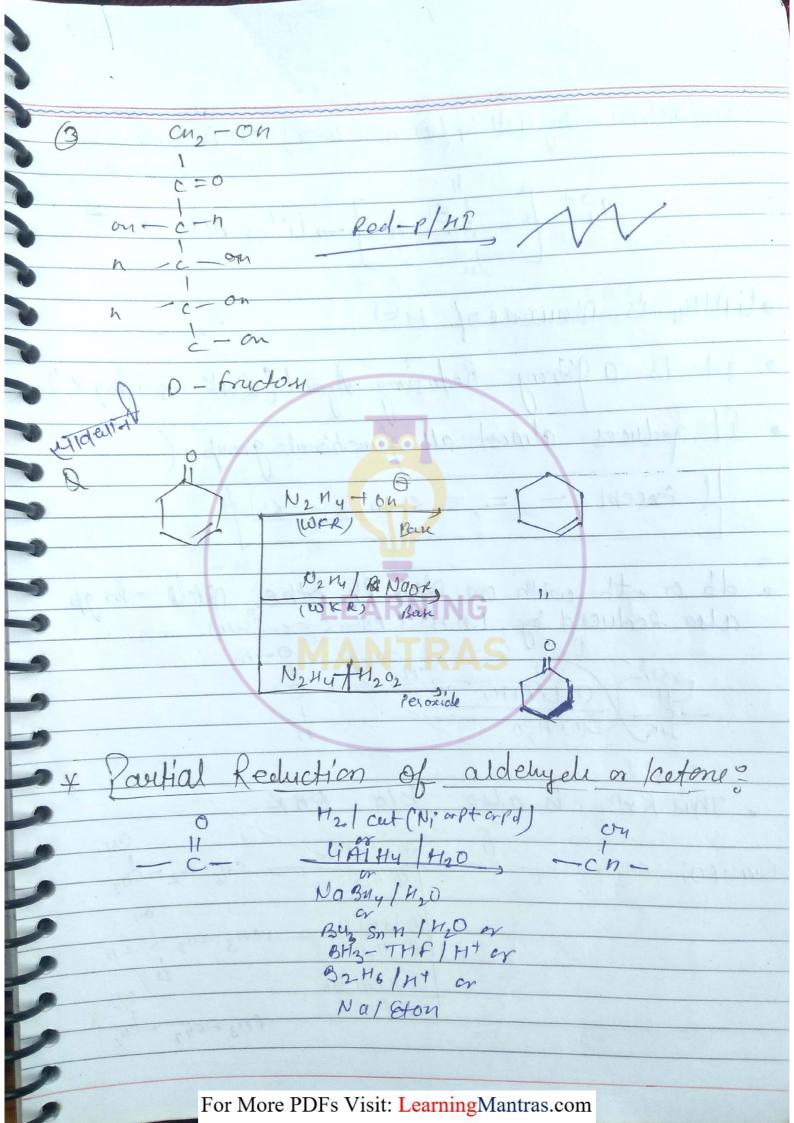


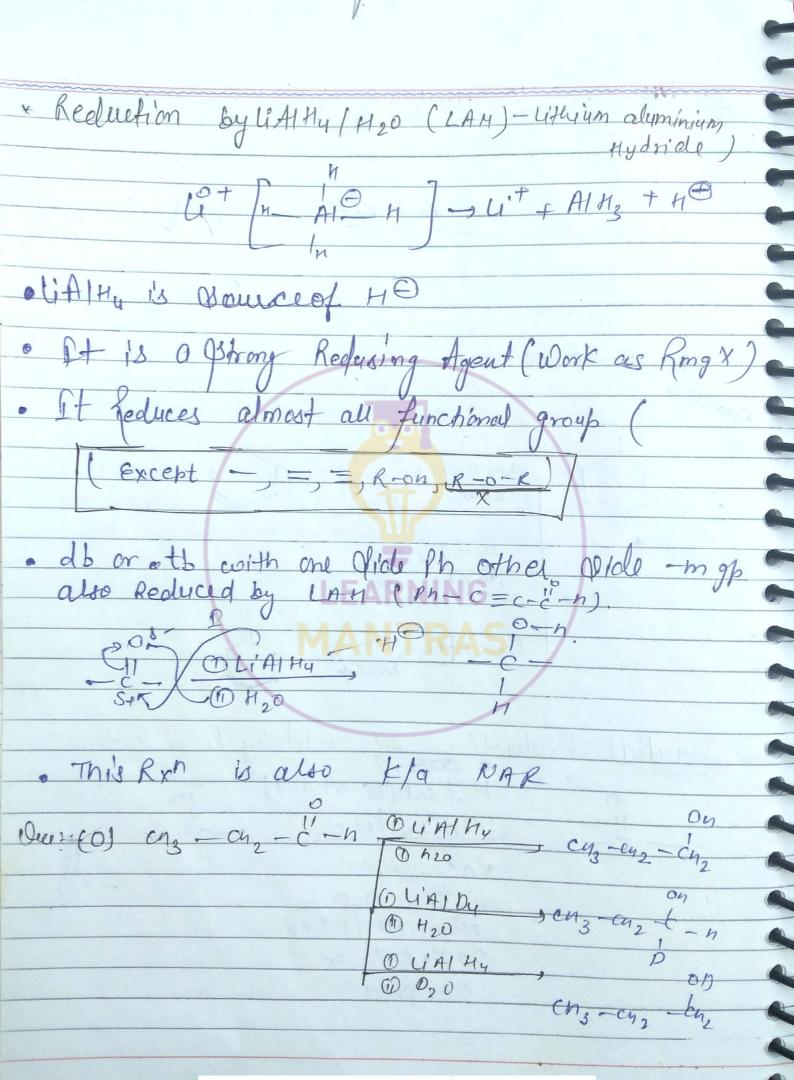


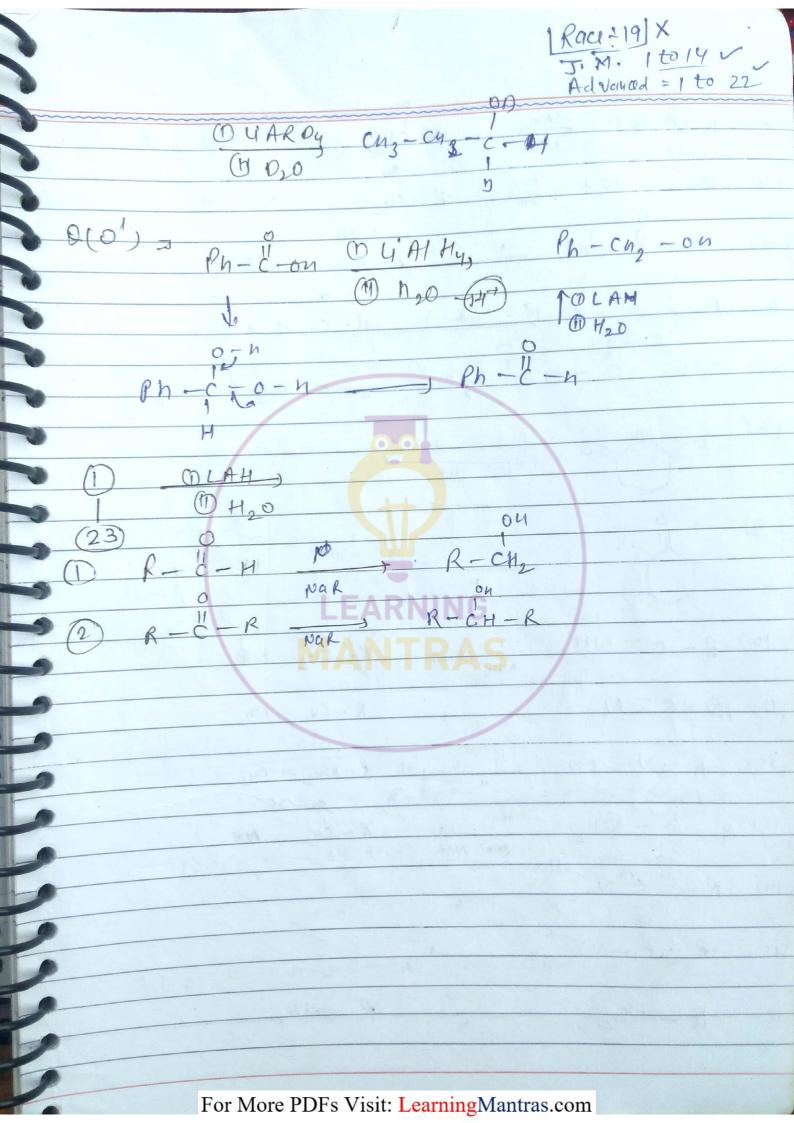


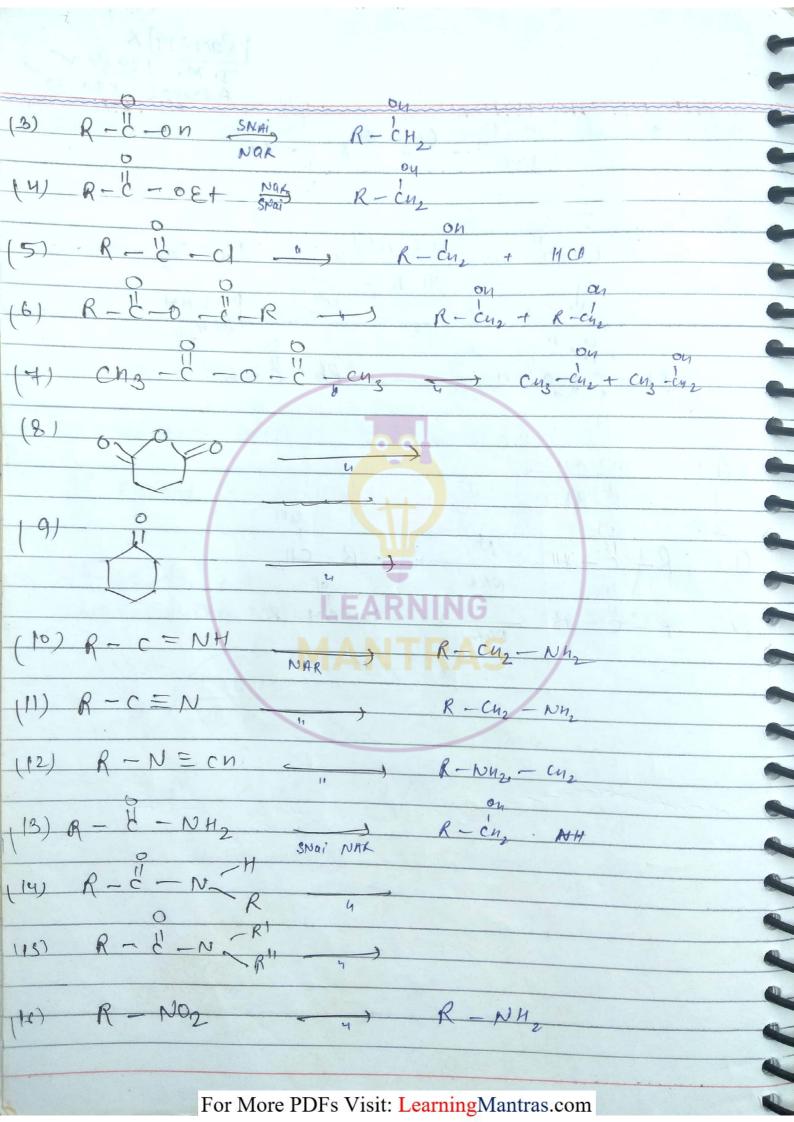


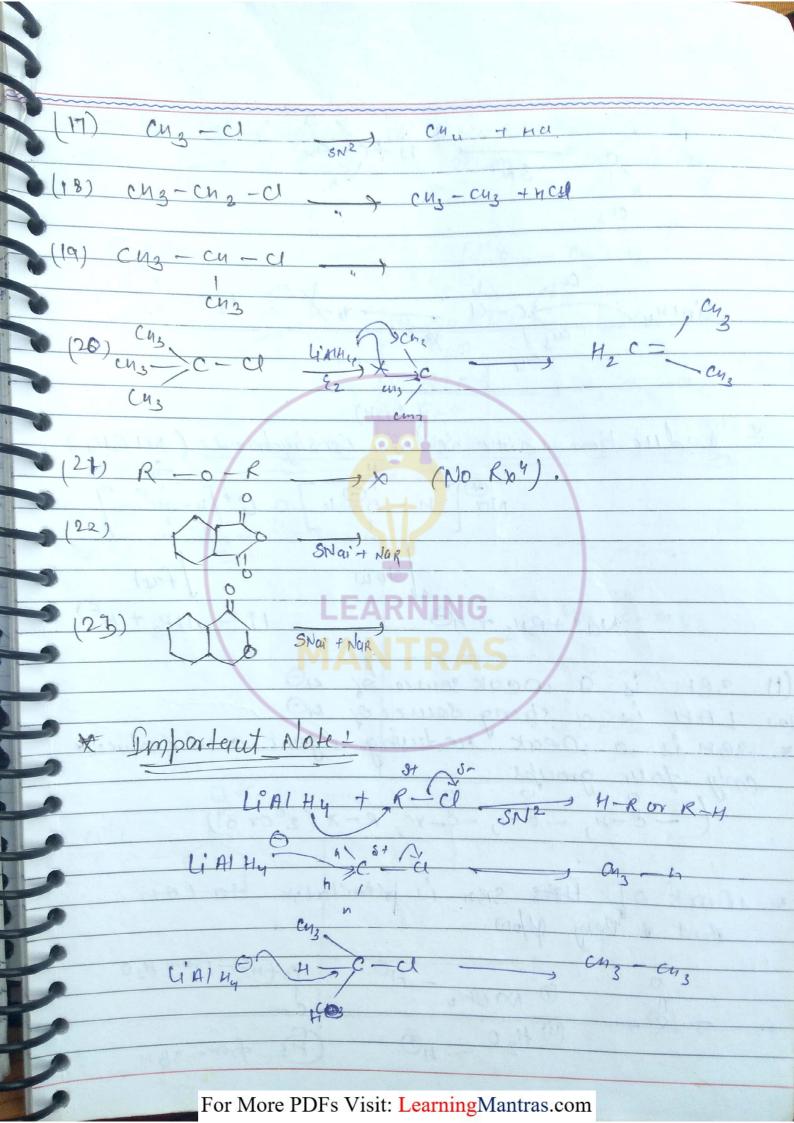


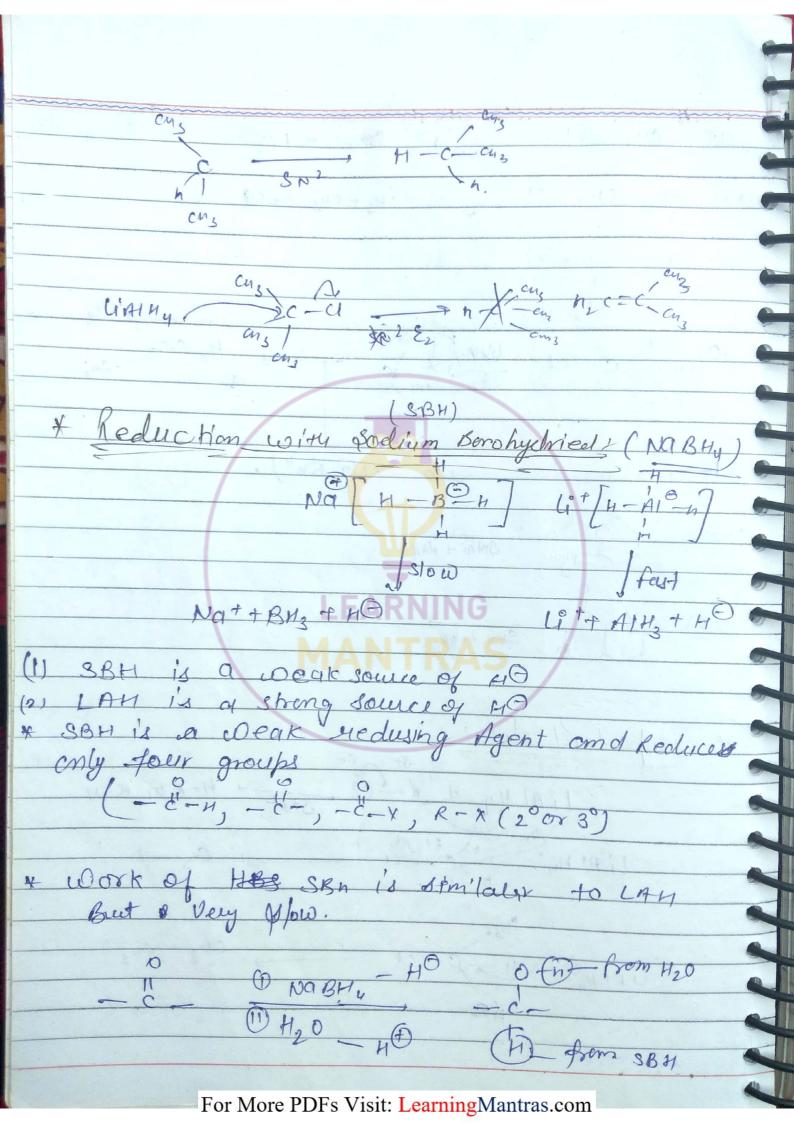


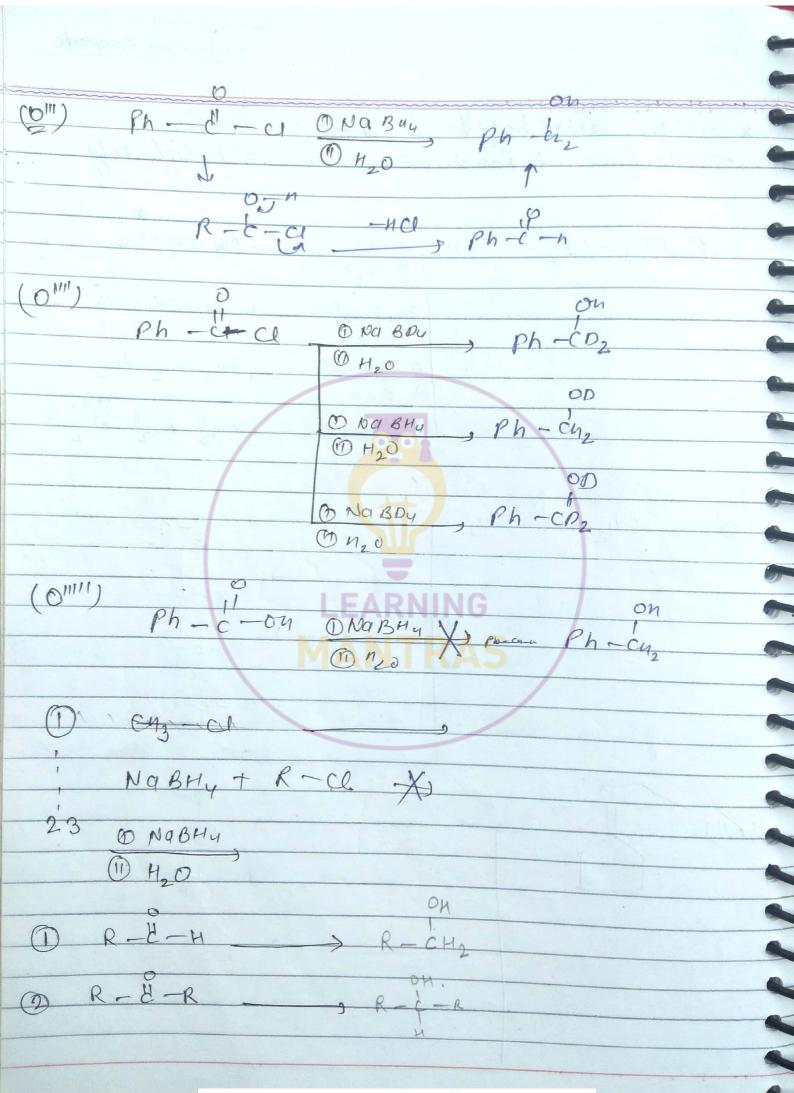




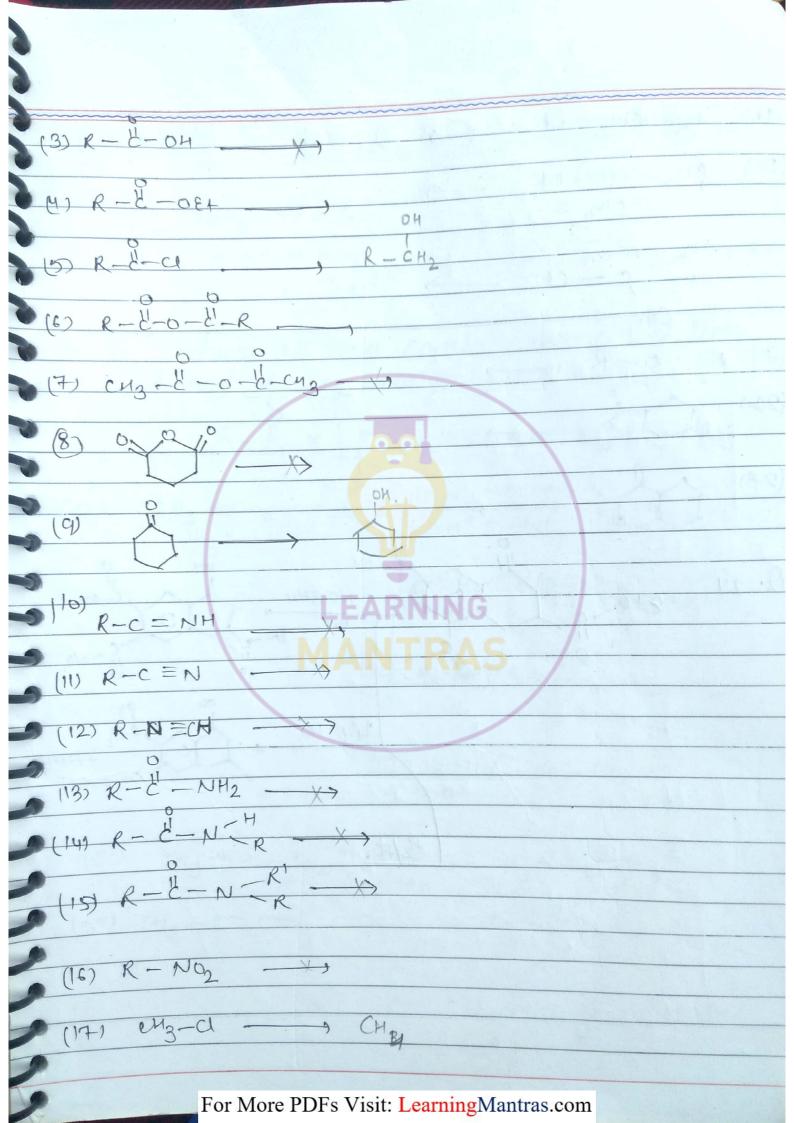


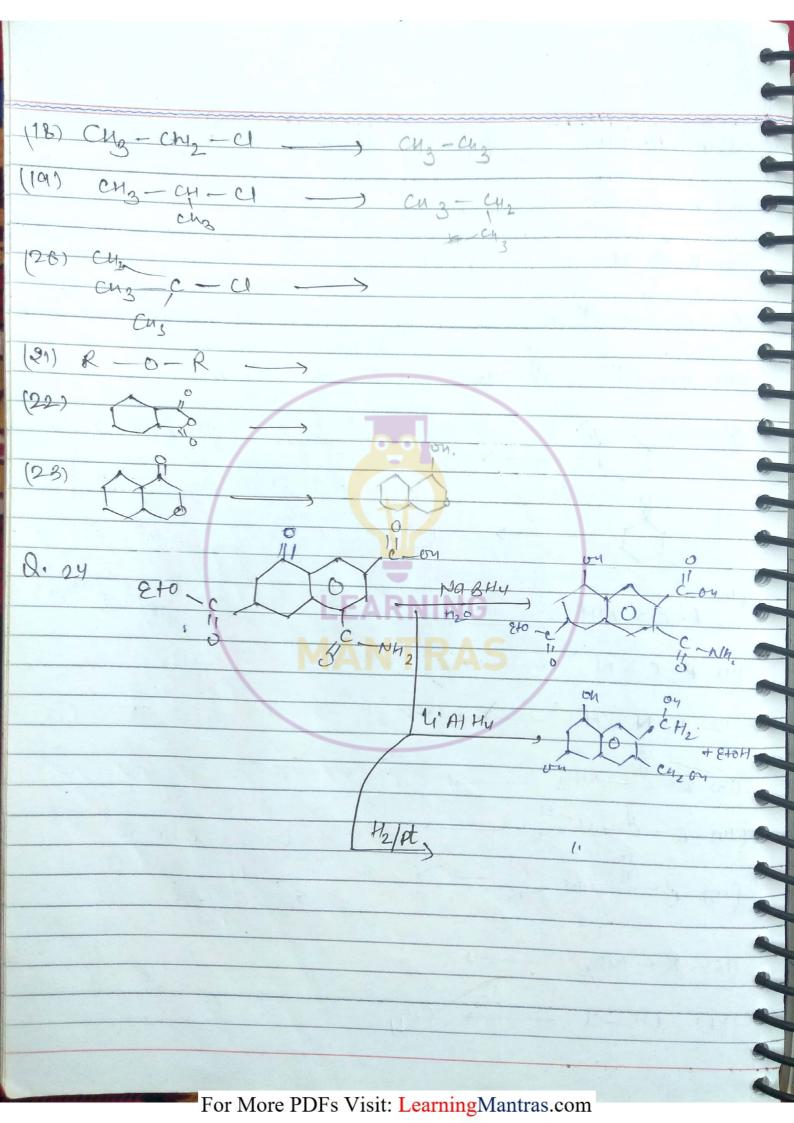


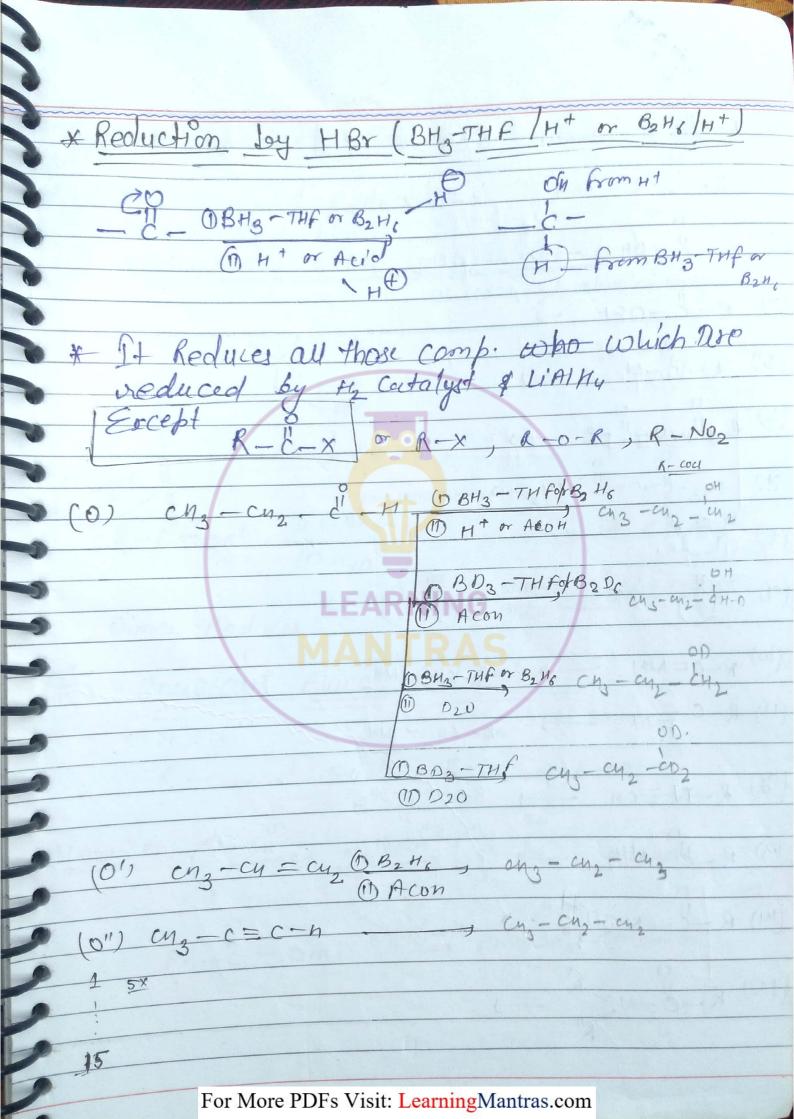


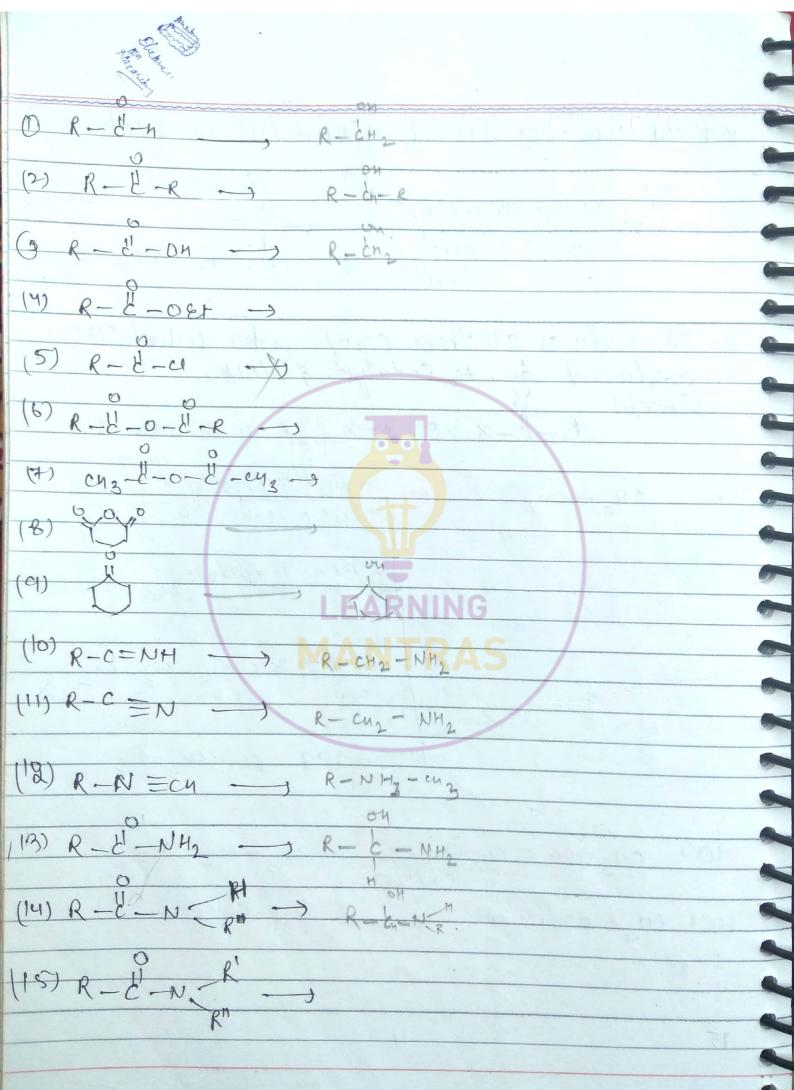


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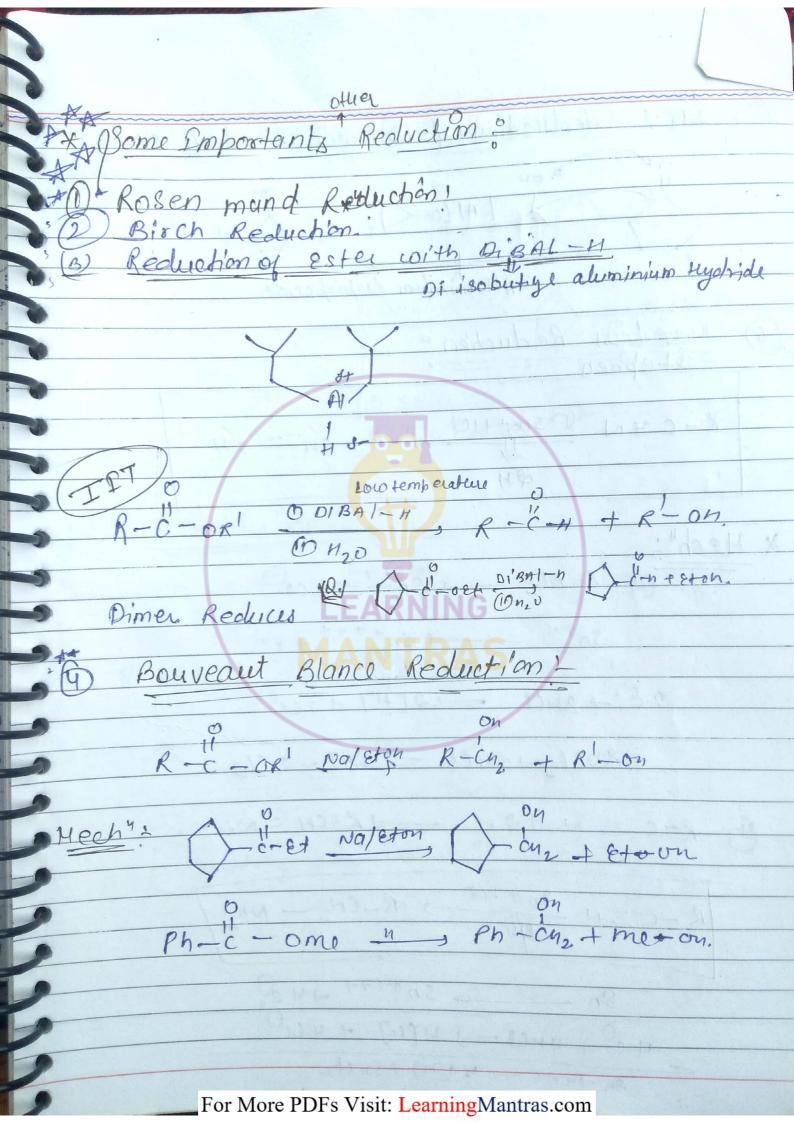


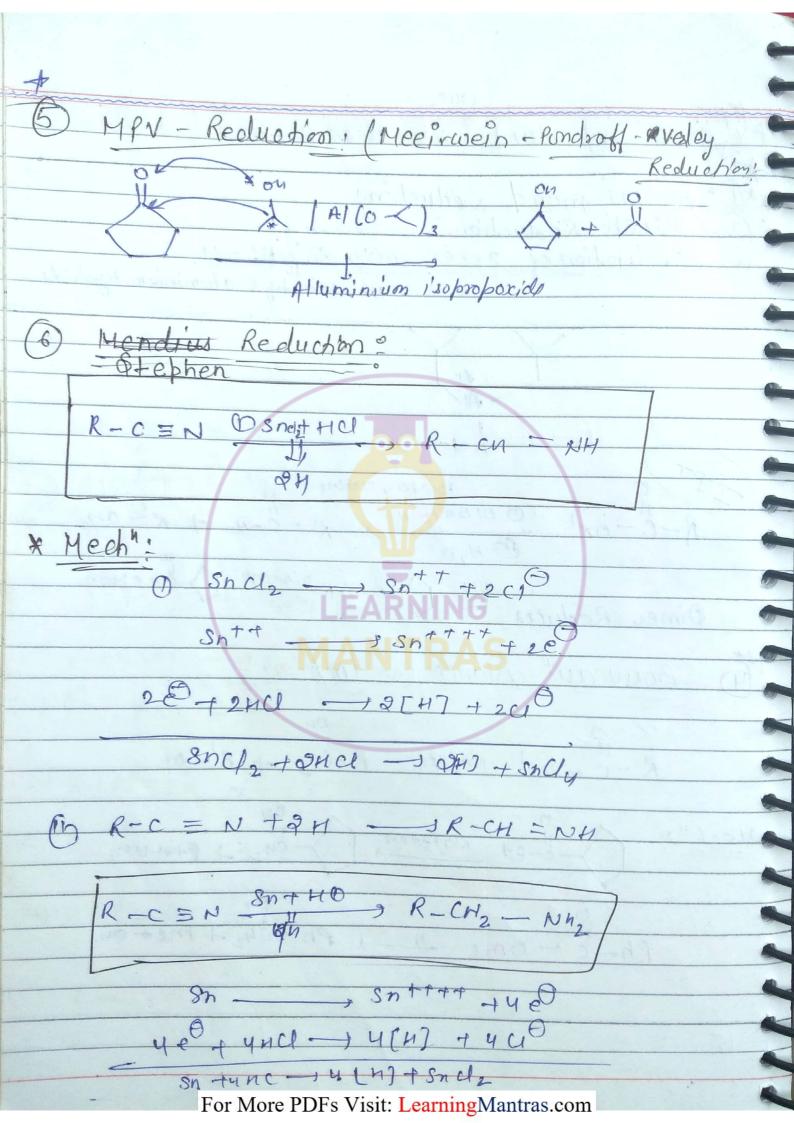


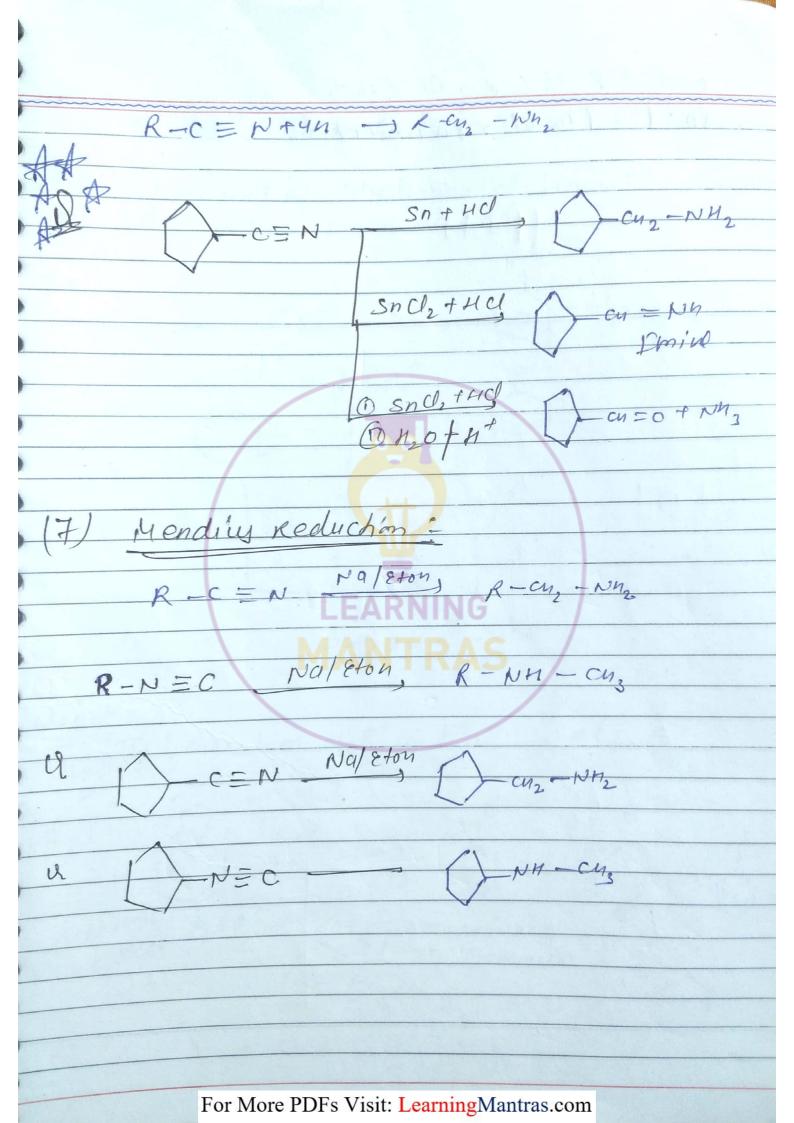


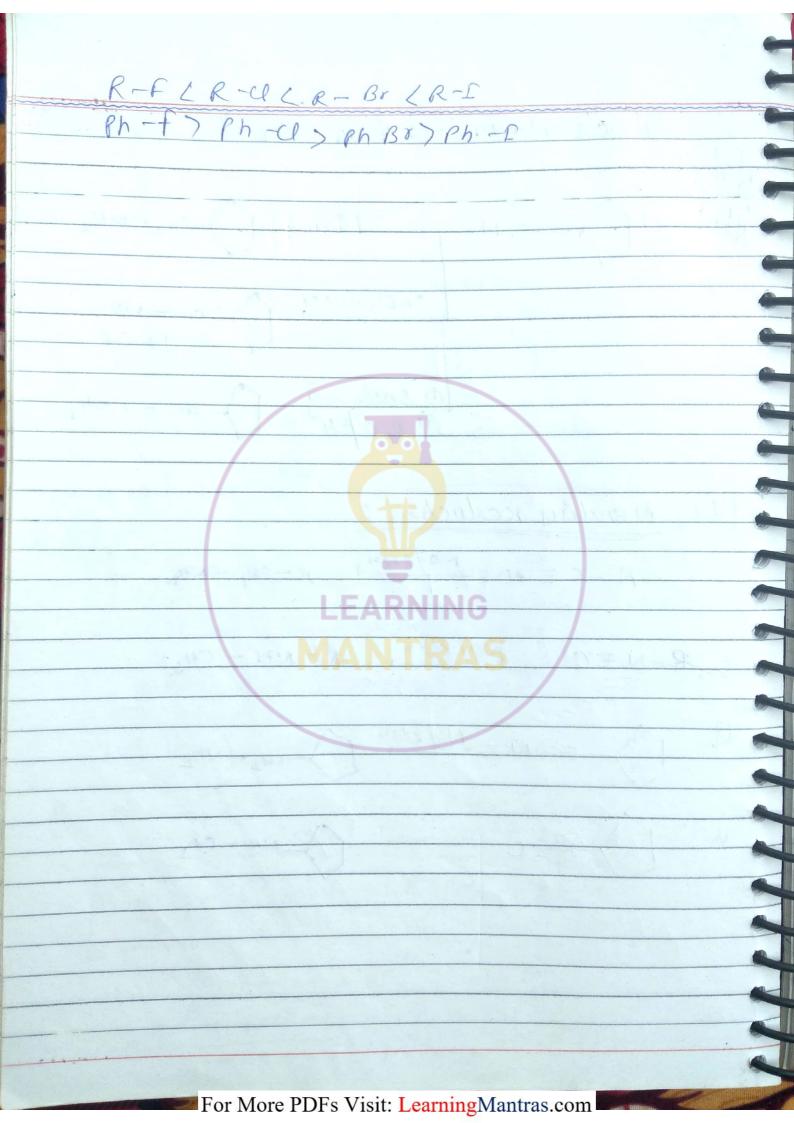


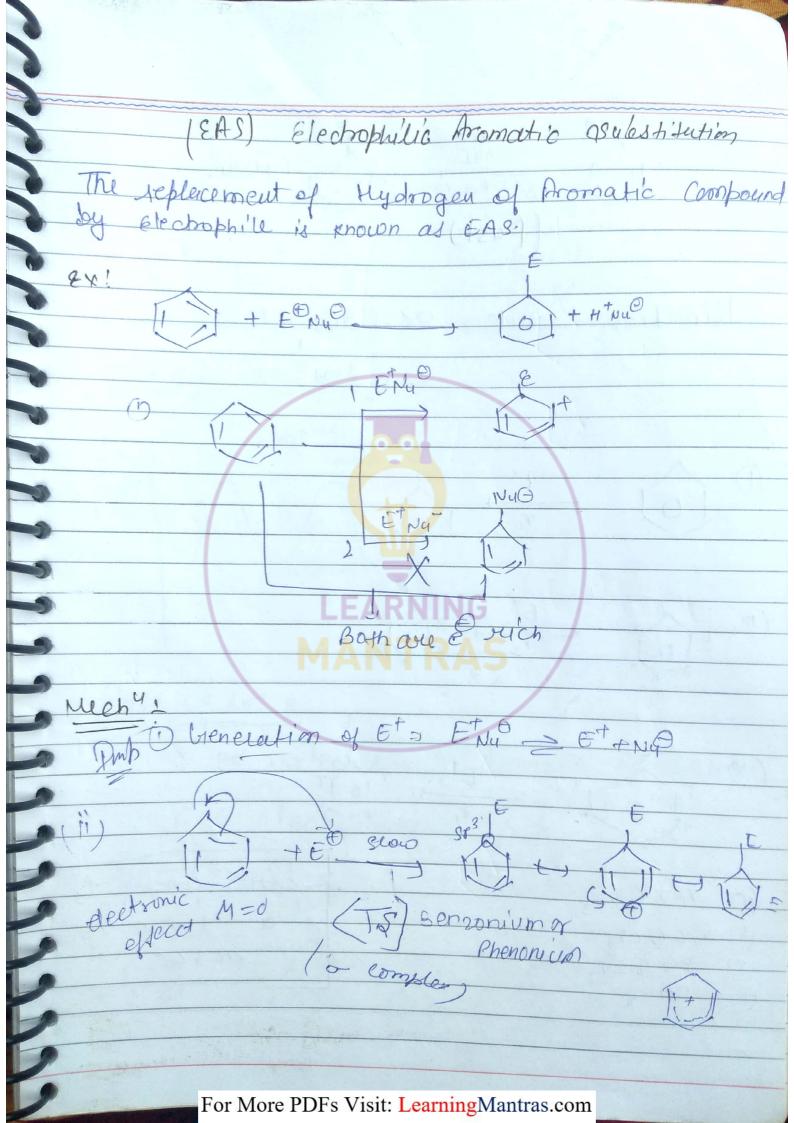
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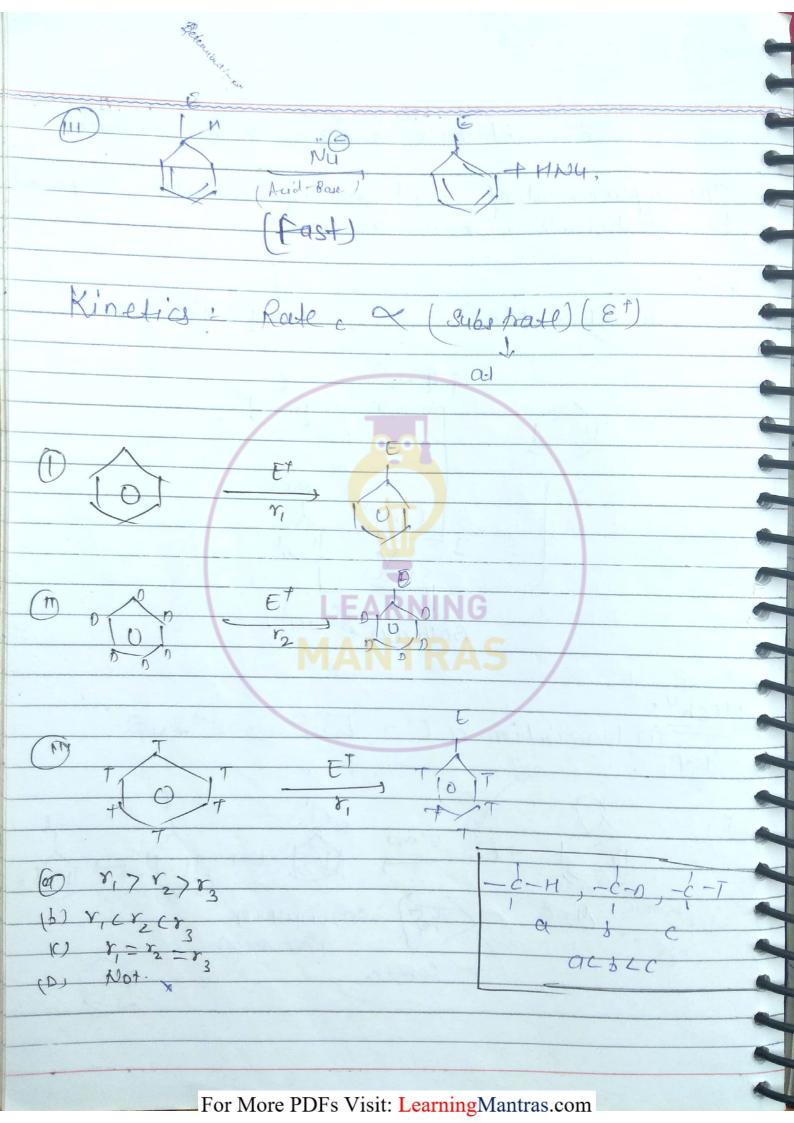


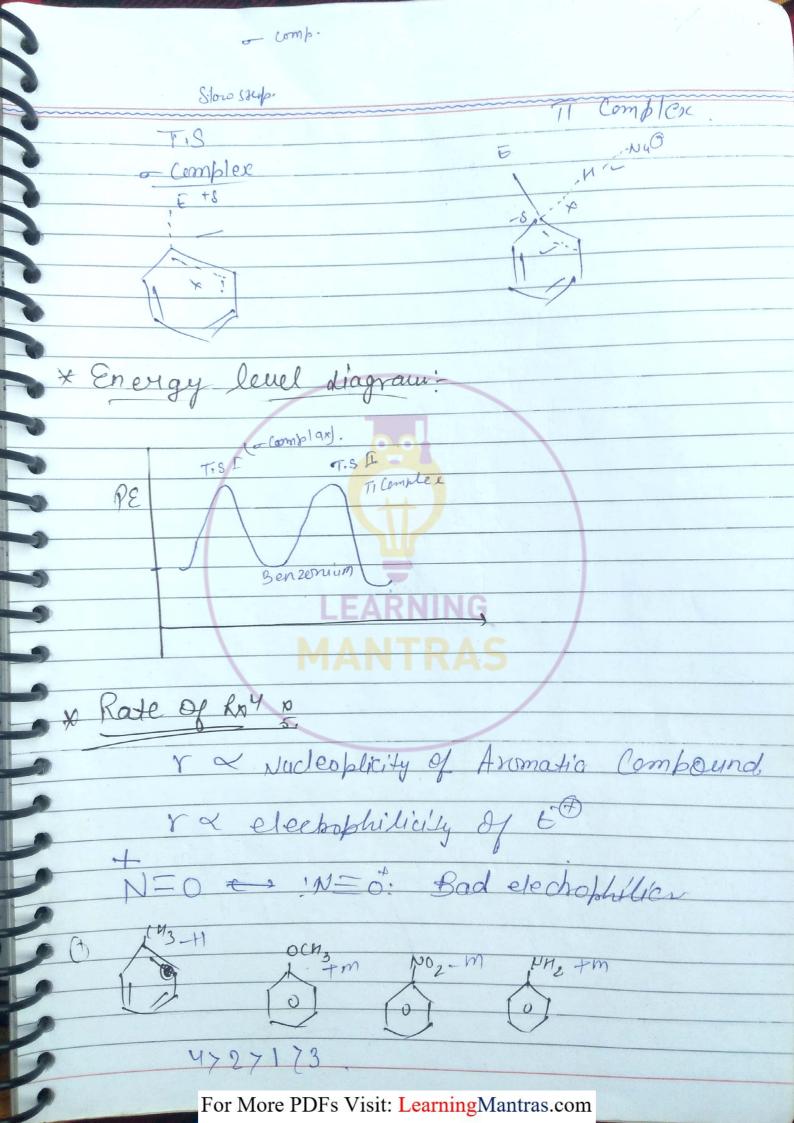


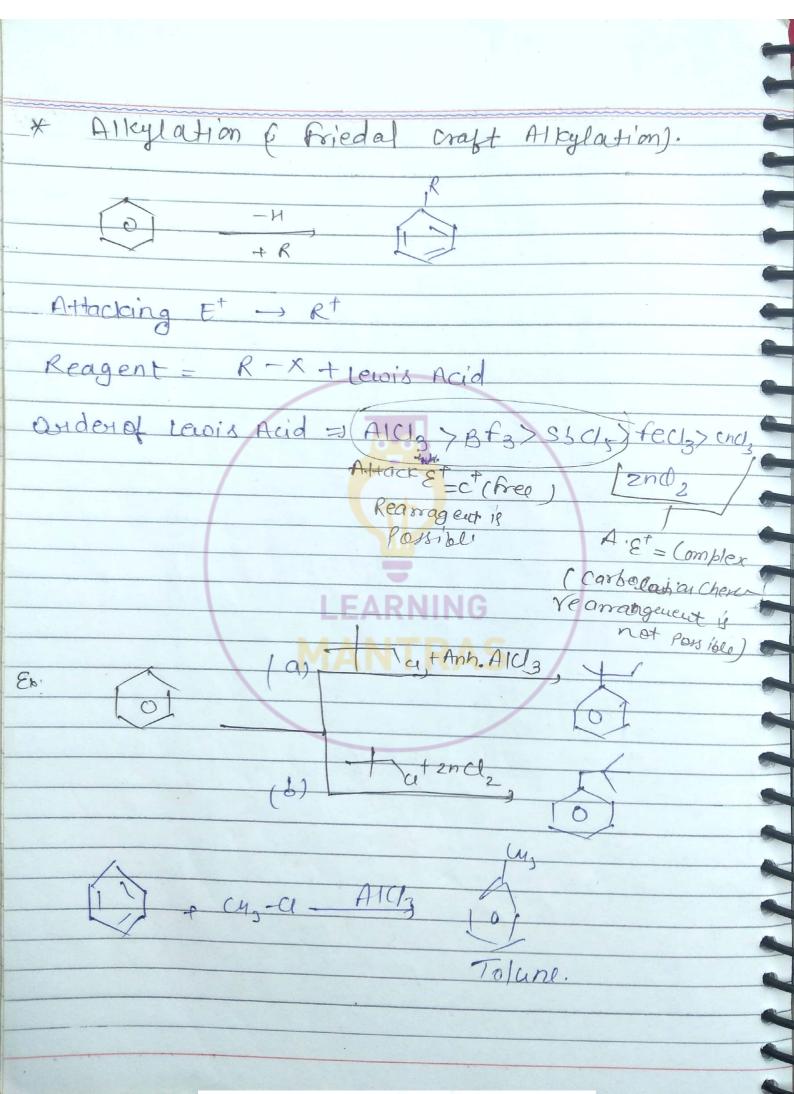


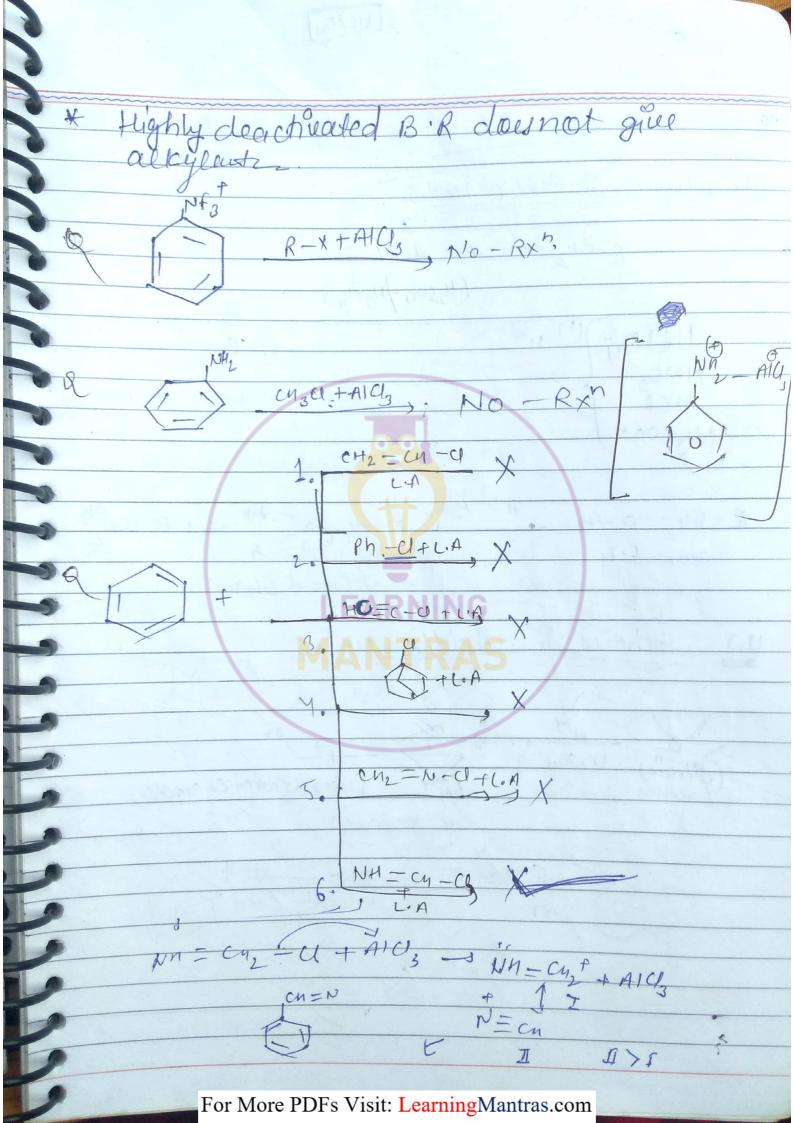






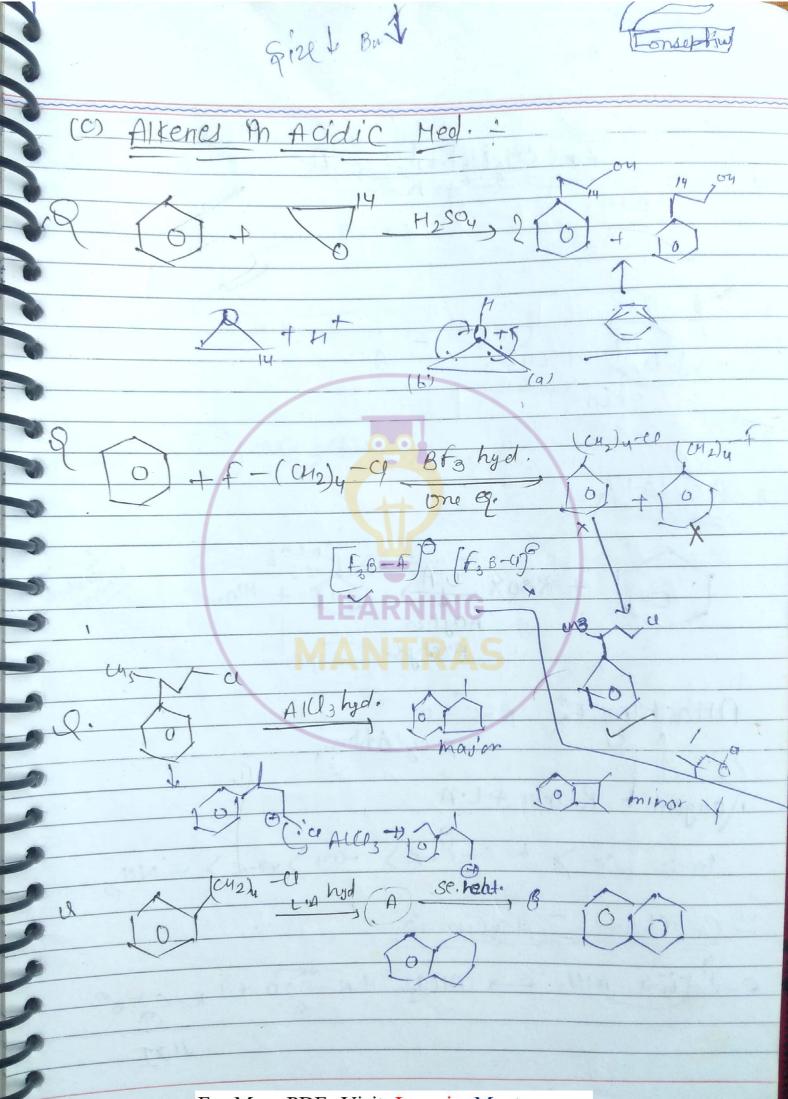






character HUOY \* other fources of co (a) Alcohol in Acidic medo: R-ch\_-on + Acid (H2504/HBPO4) HCloy )U H+ weak attackspecies-CHICOOH Ht Hisoy R-cy is - And CJR-Ch R-C42-0-4 1900x L.4 (hood lih) (b) Etheors, in Acidic Med. o (phain) (1/294) Got (Corbo asion Cheuacker) C-C+

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