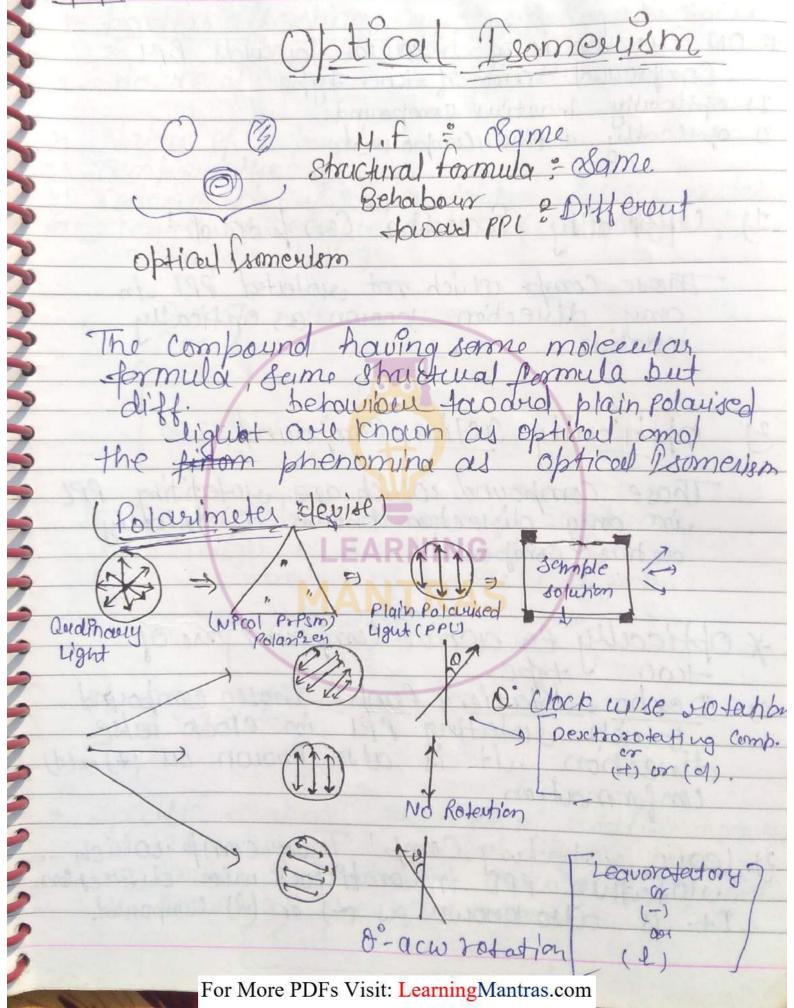


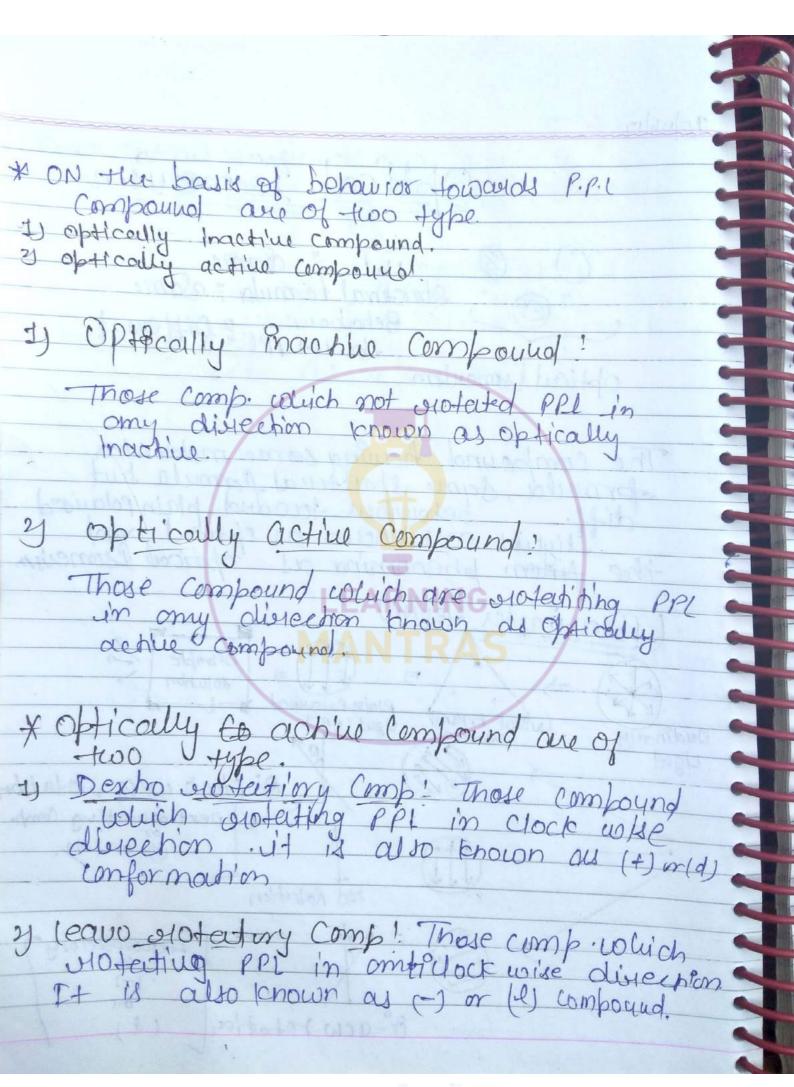


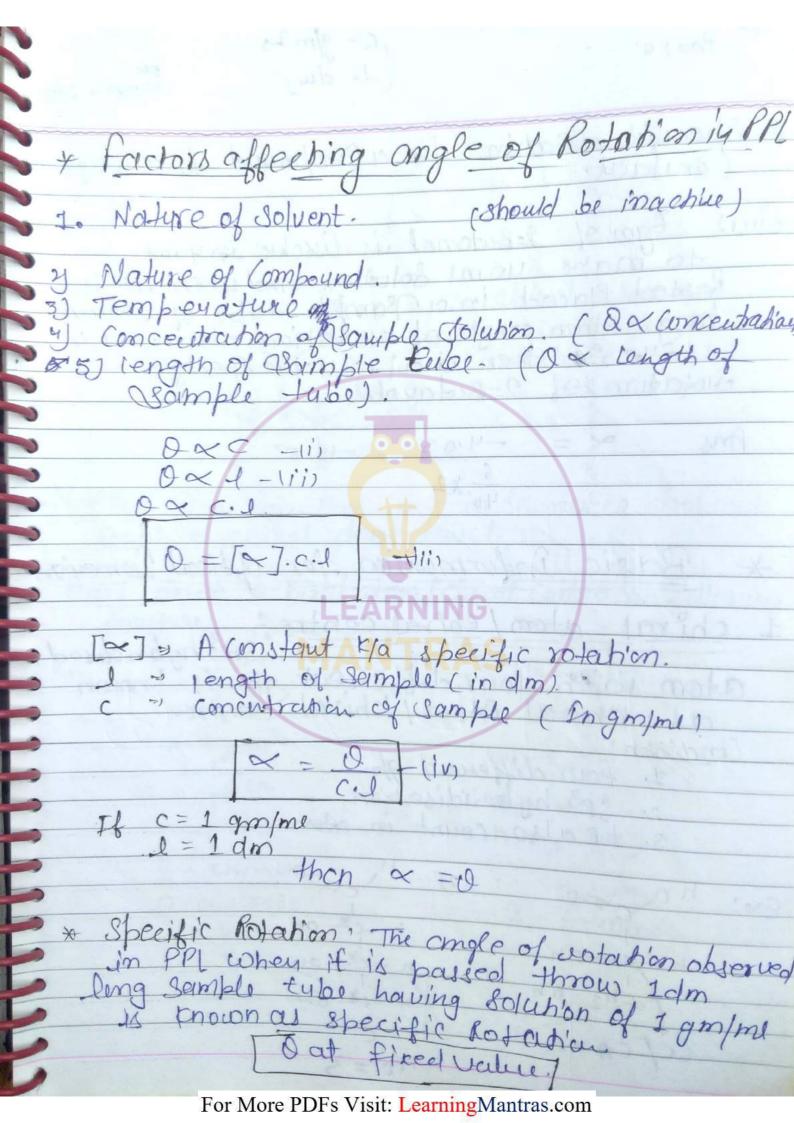
Handwritten Notes On Optical Isomerism

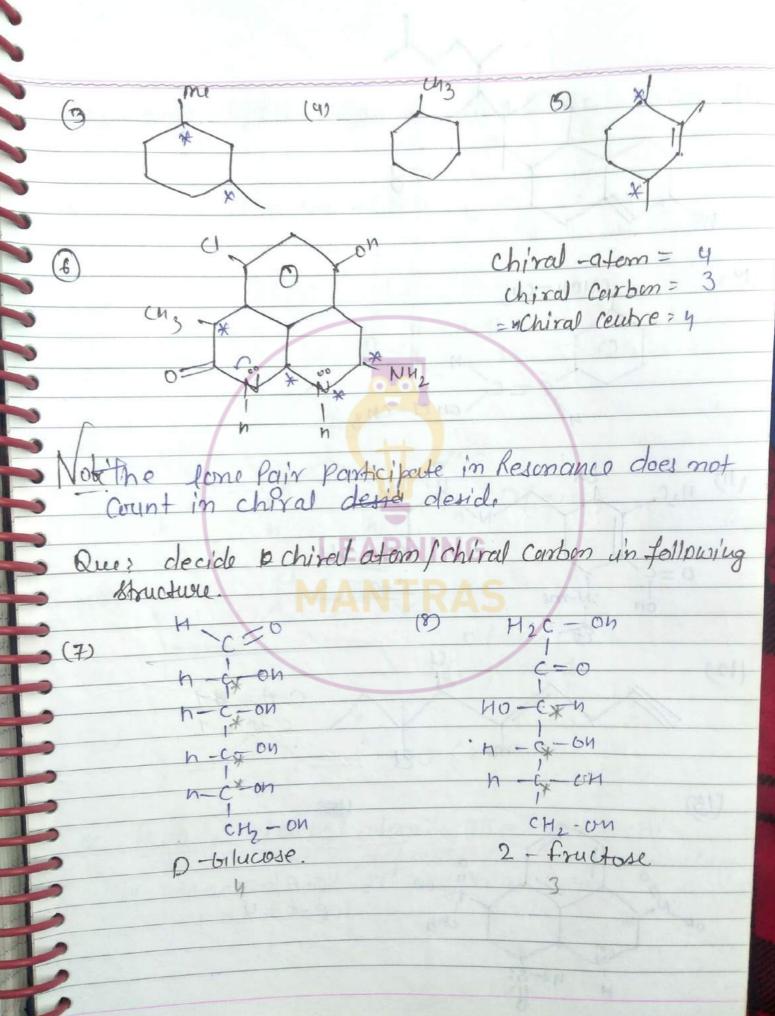


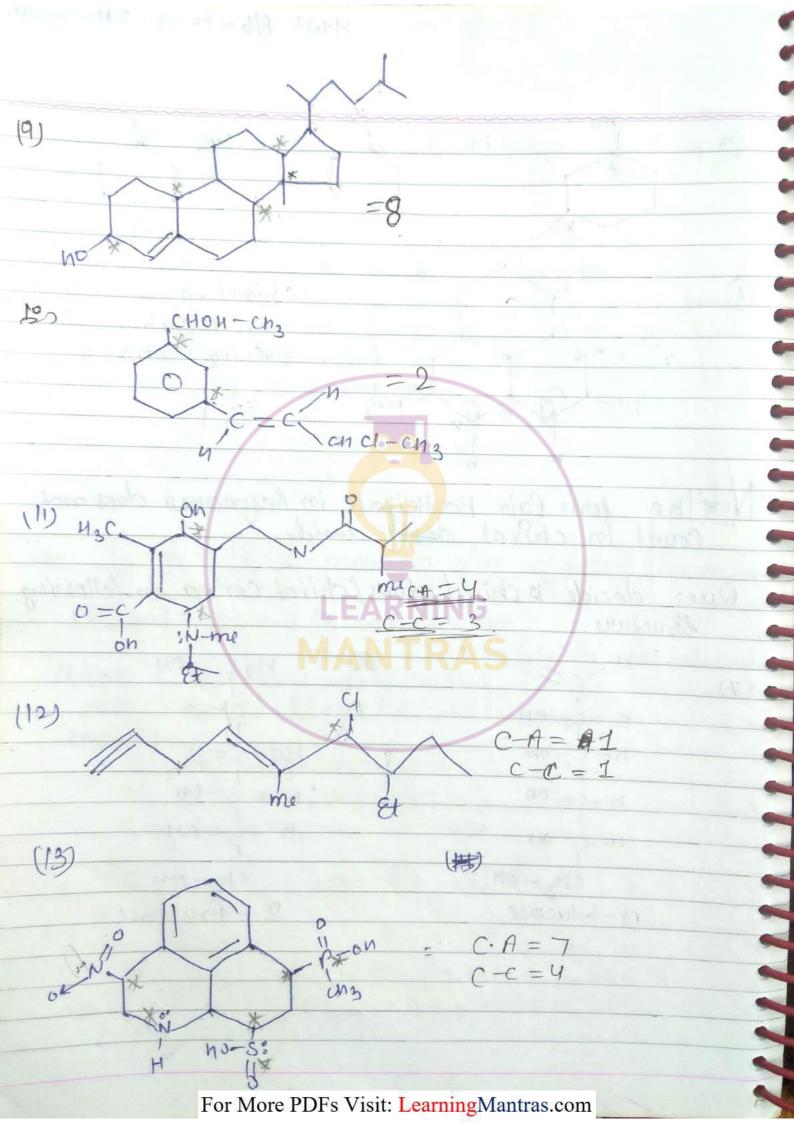


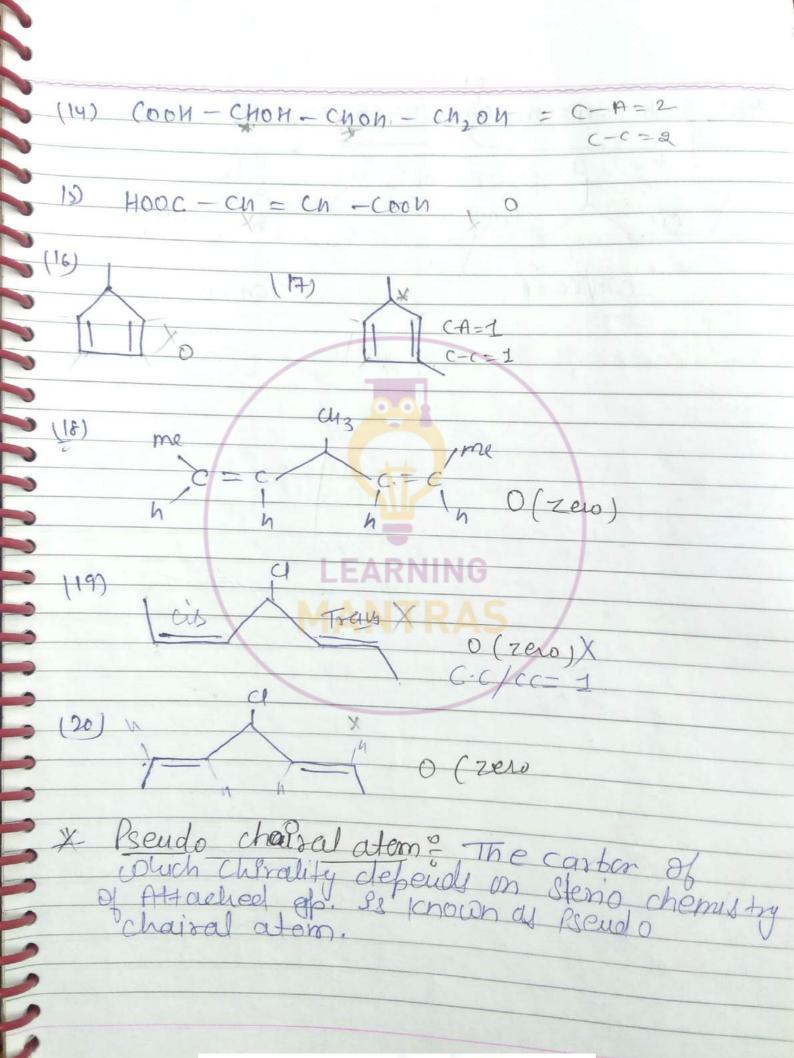




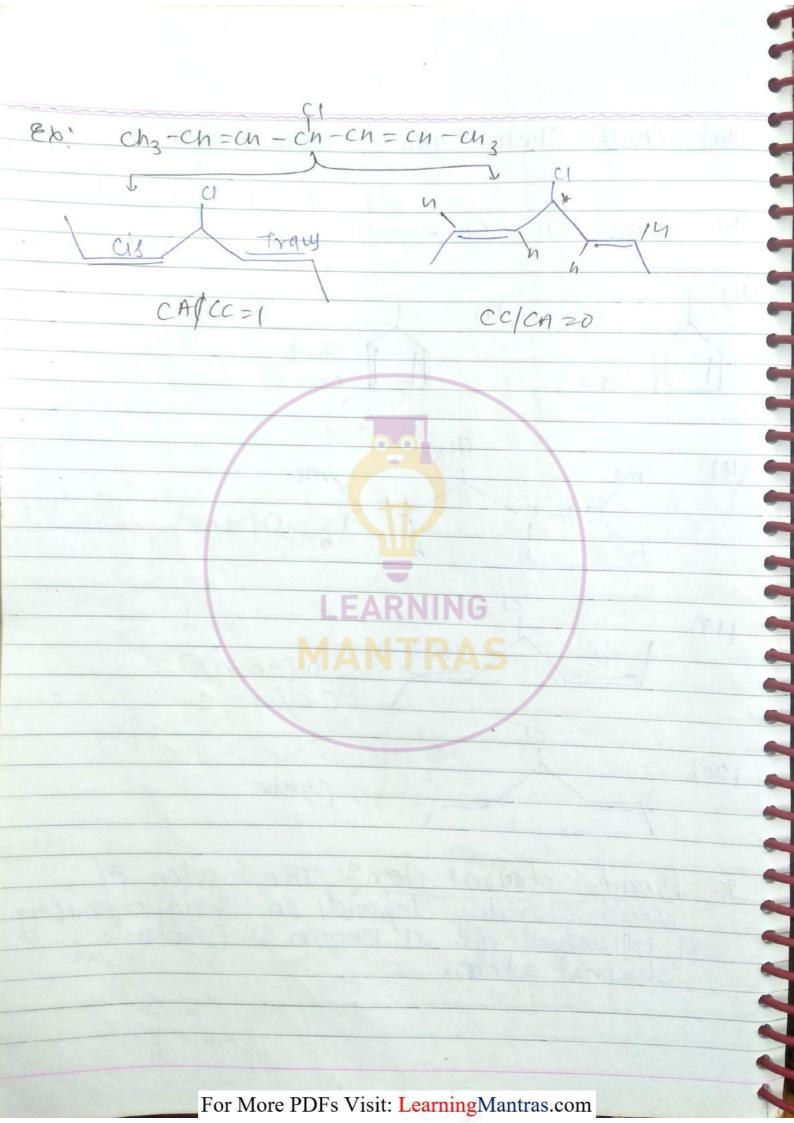


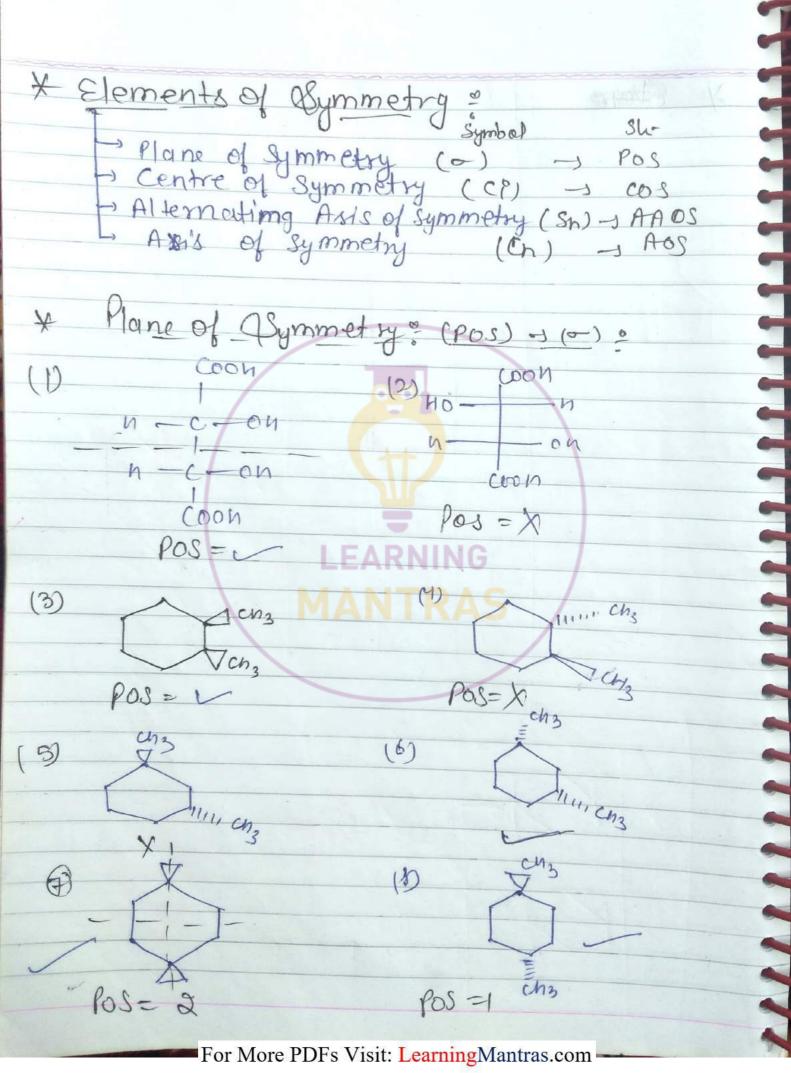


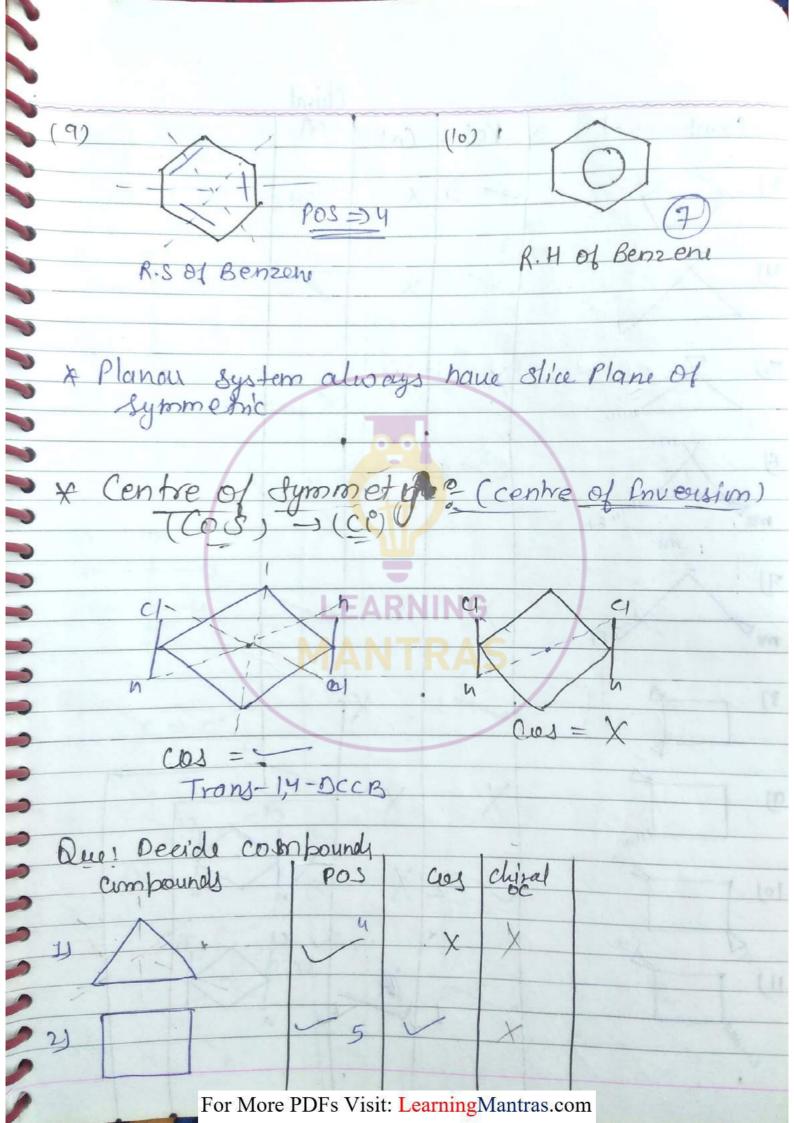


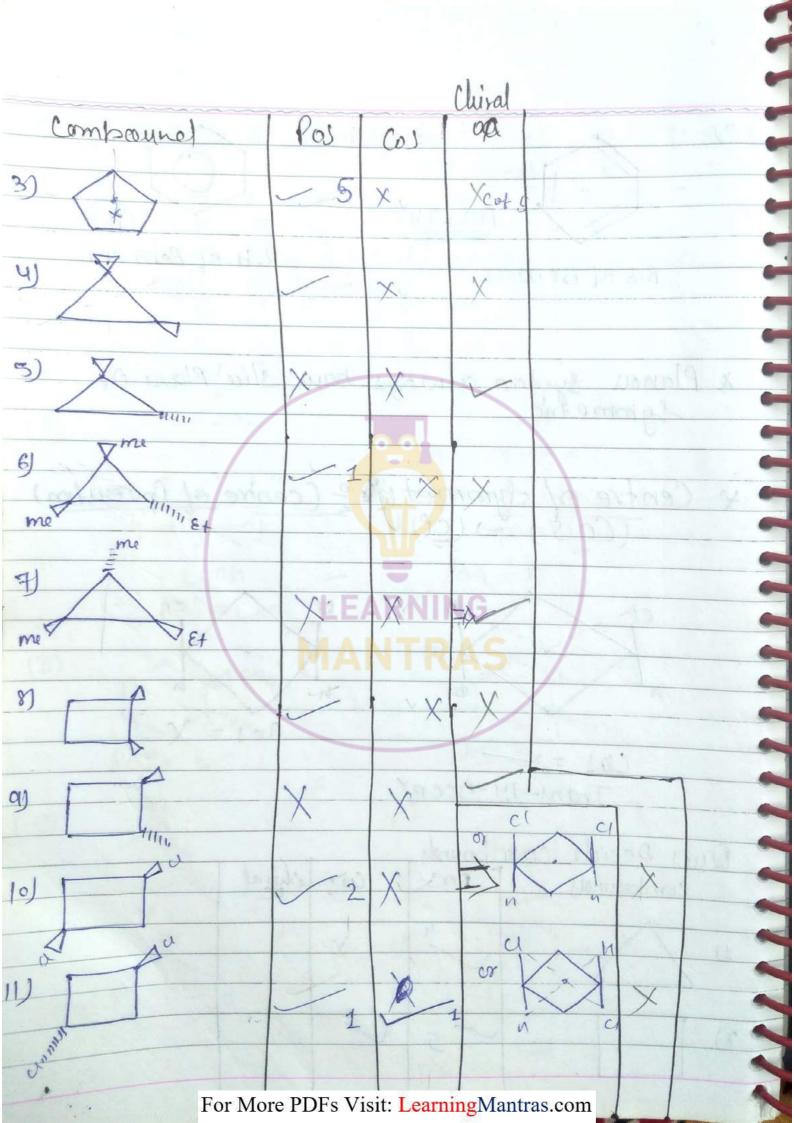


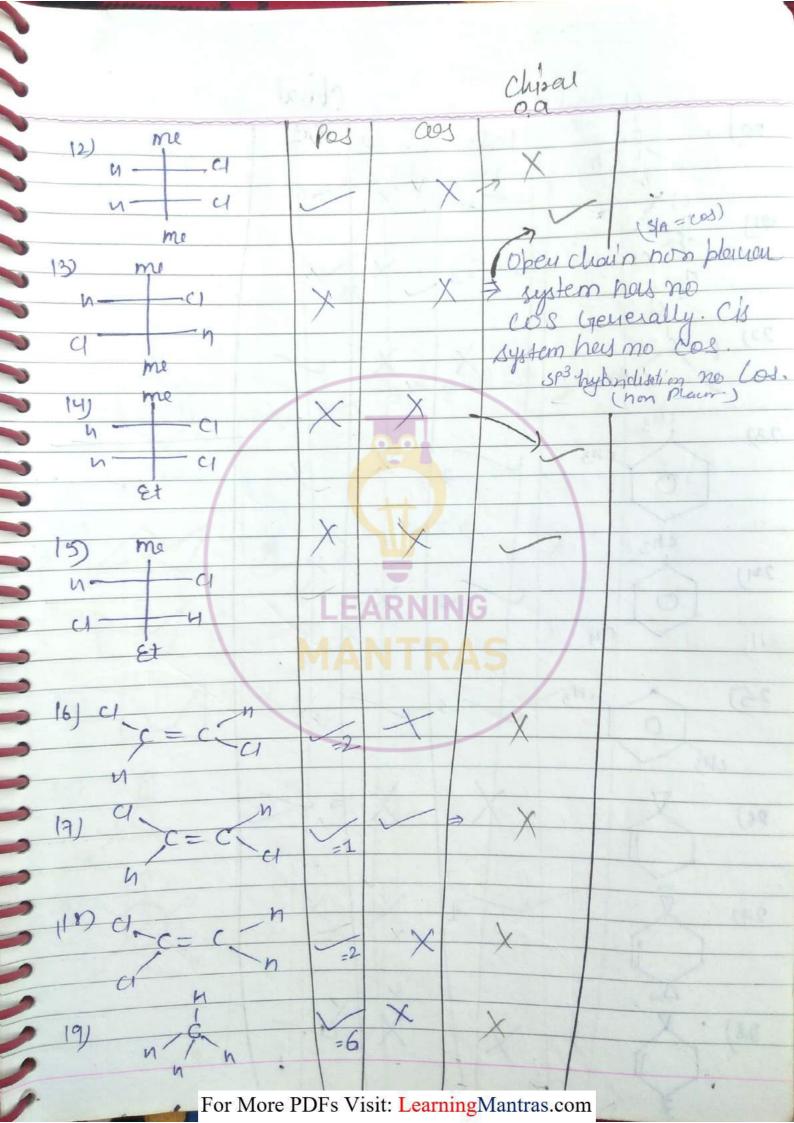
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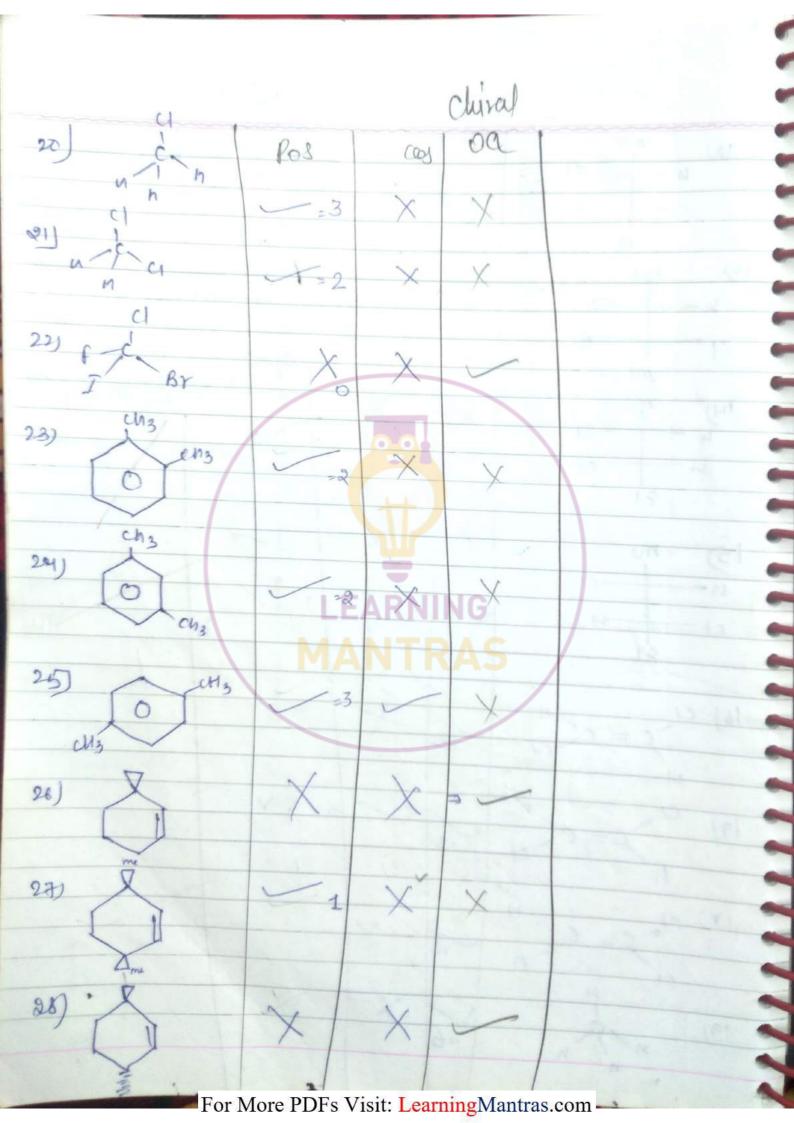




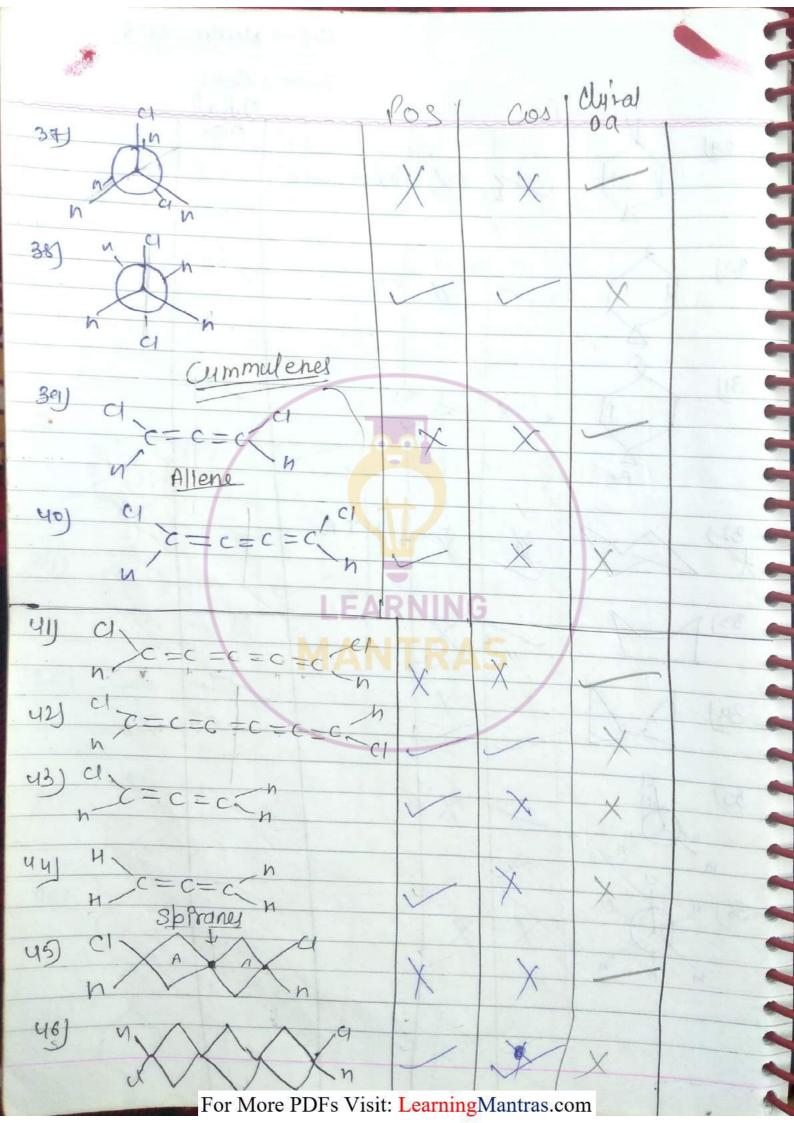


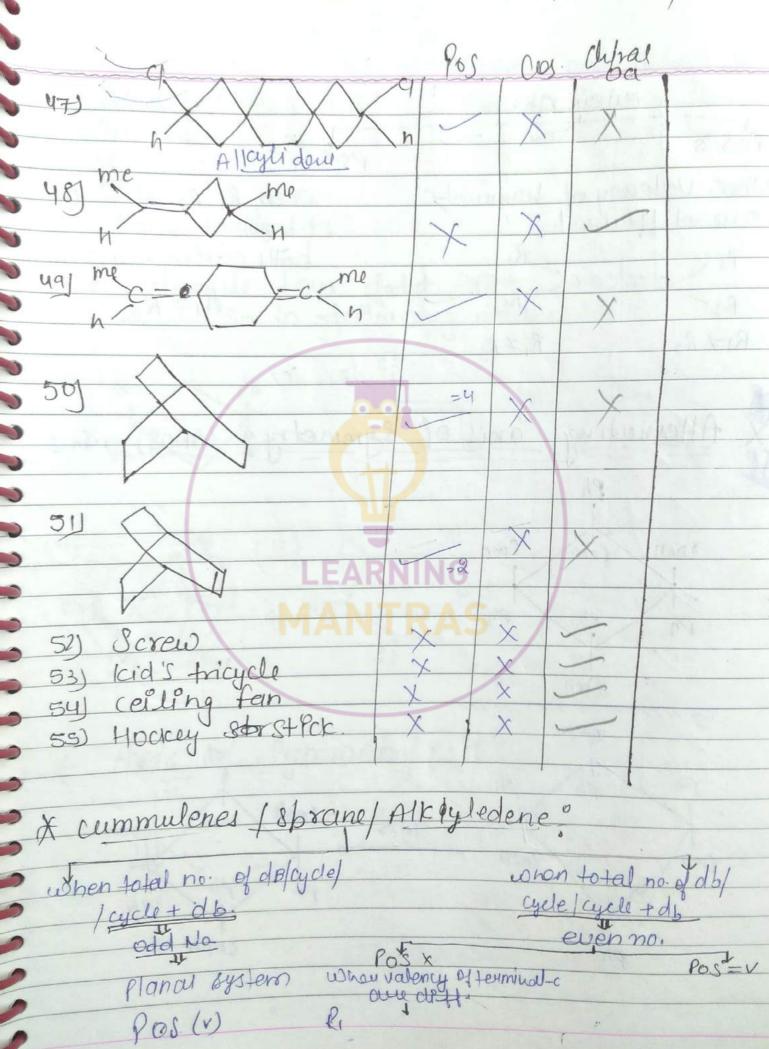


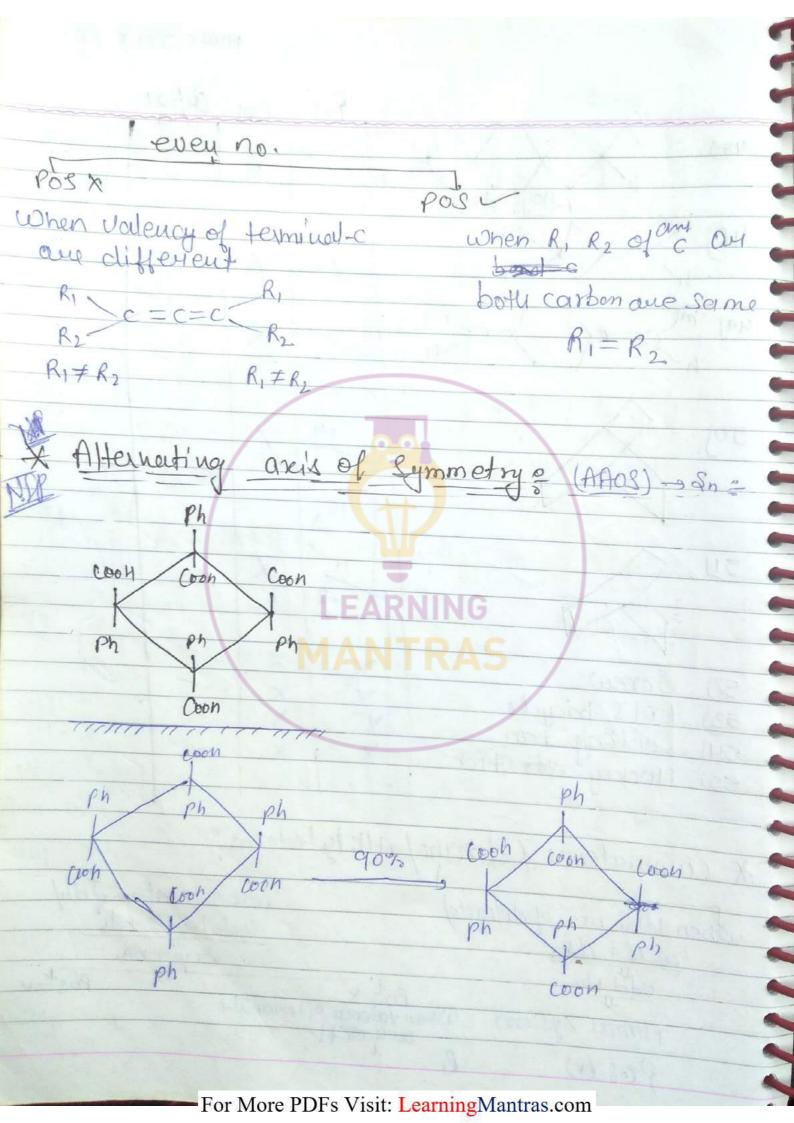


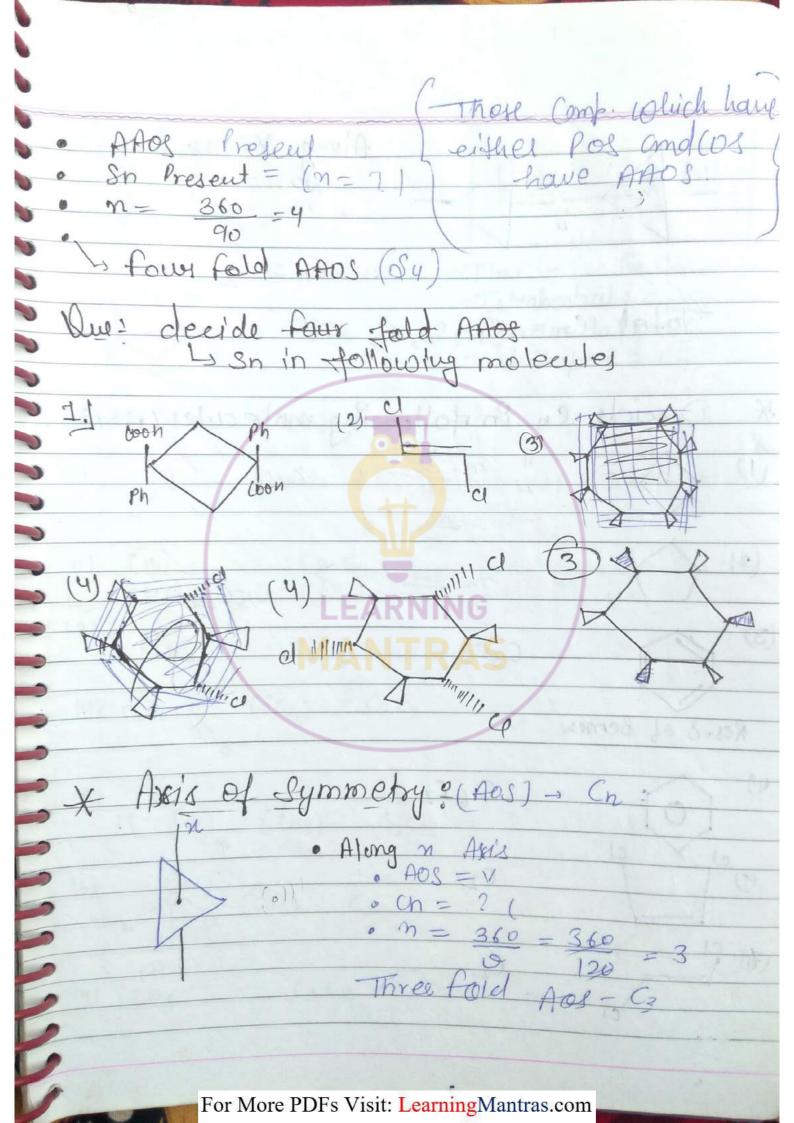


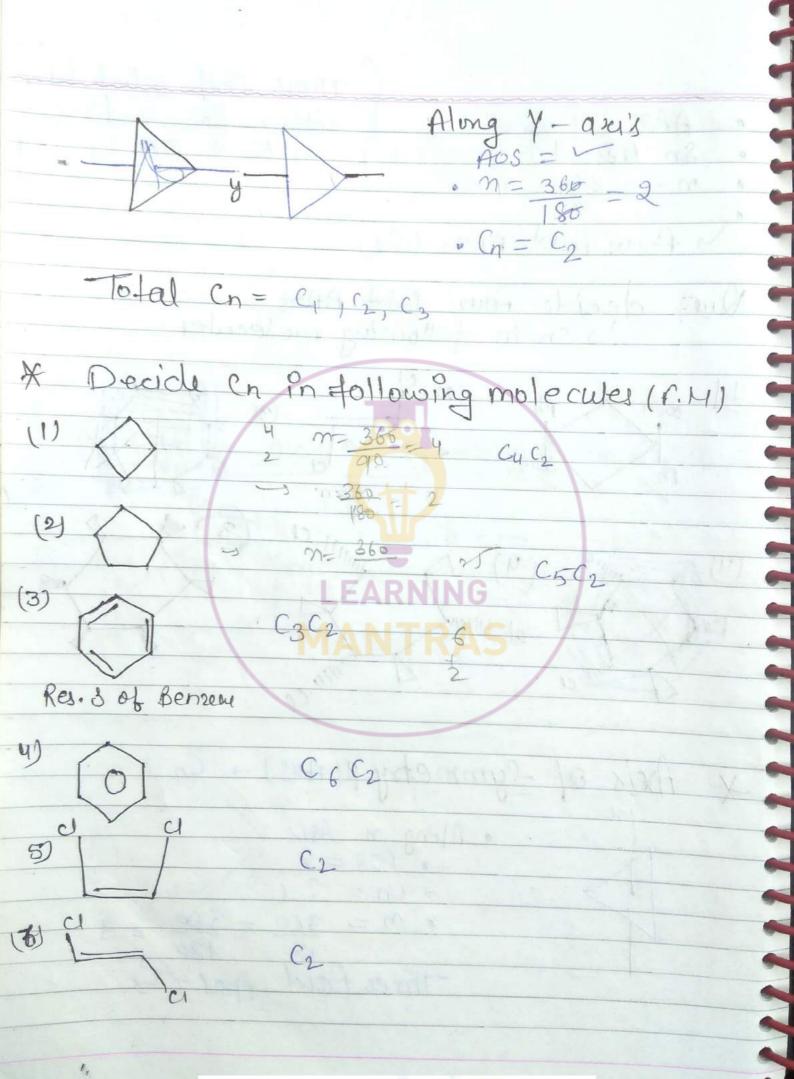


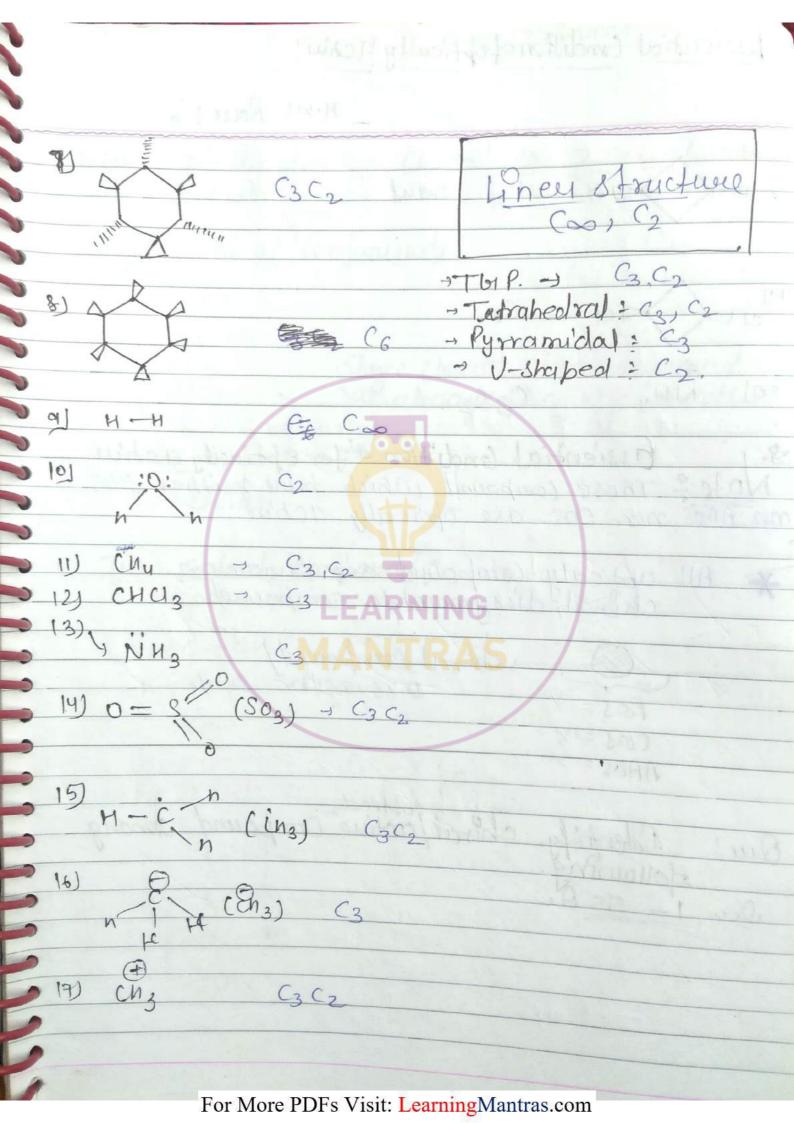








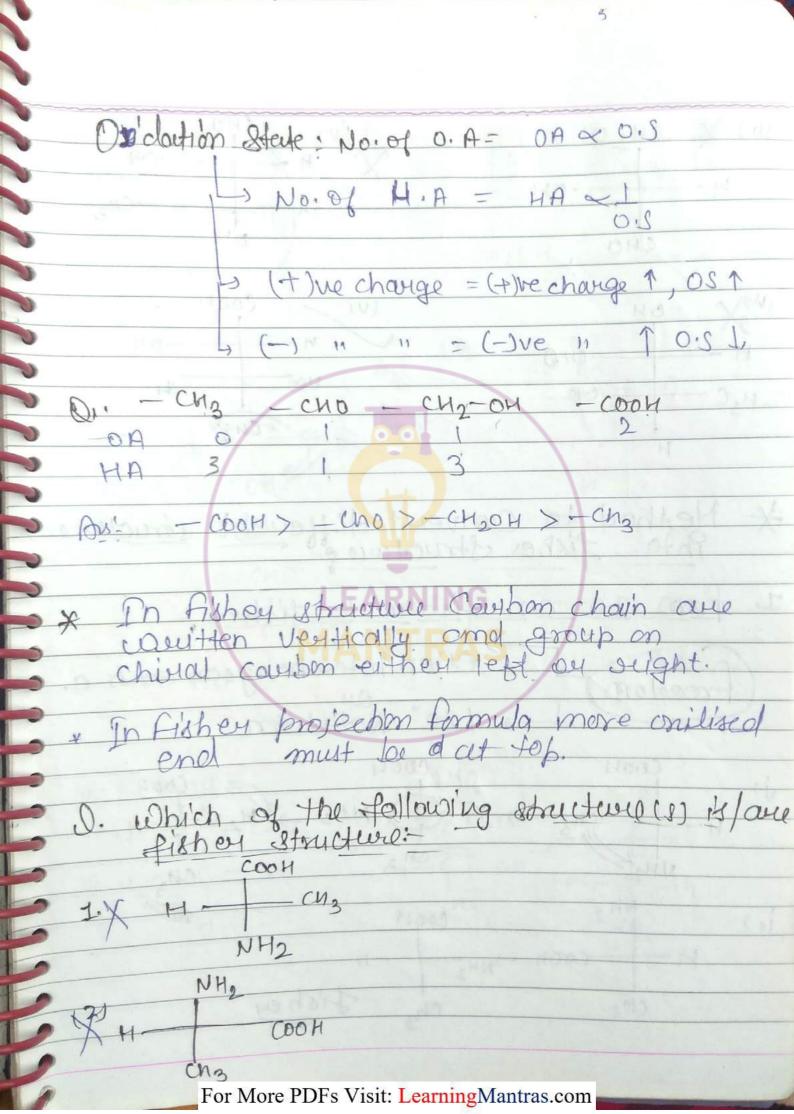


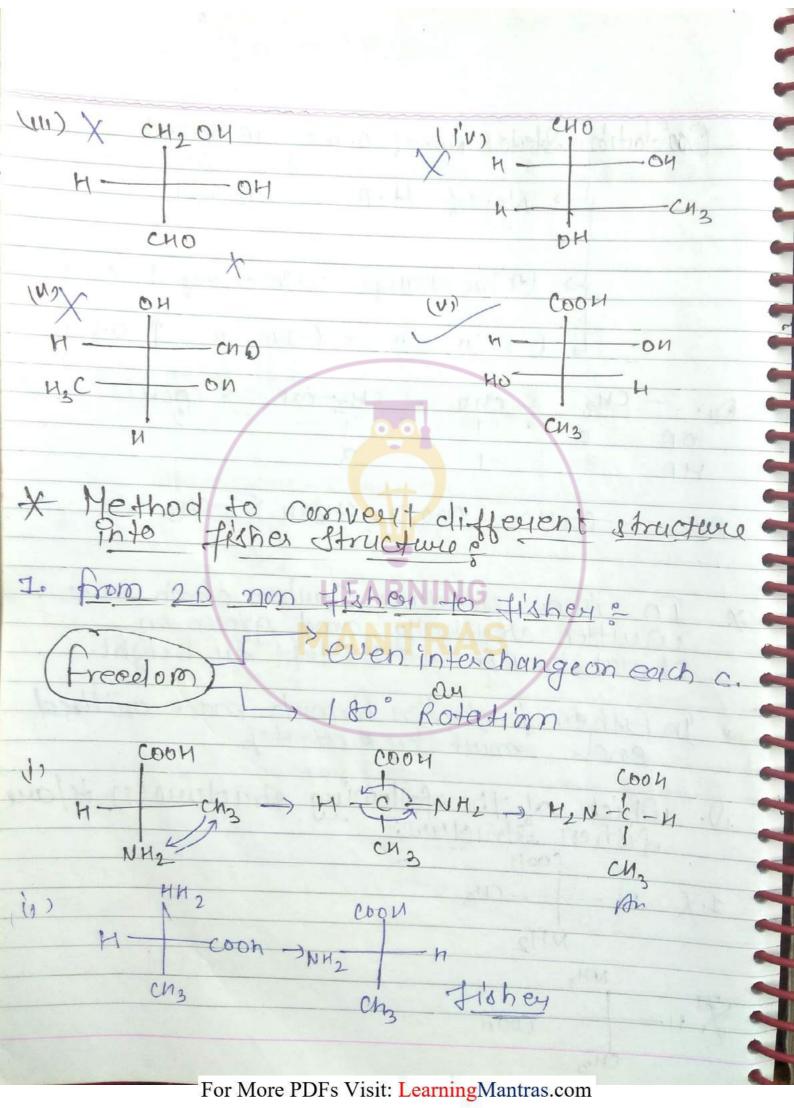


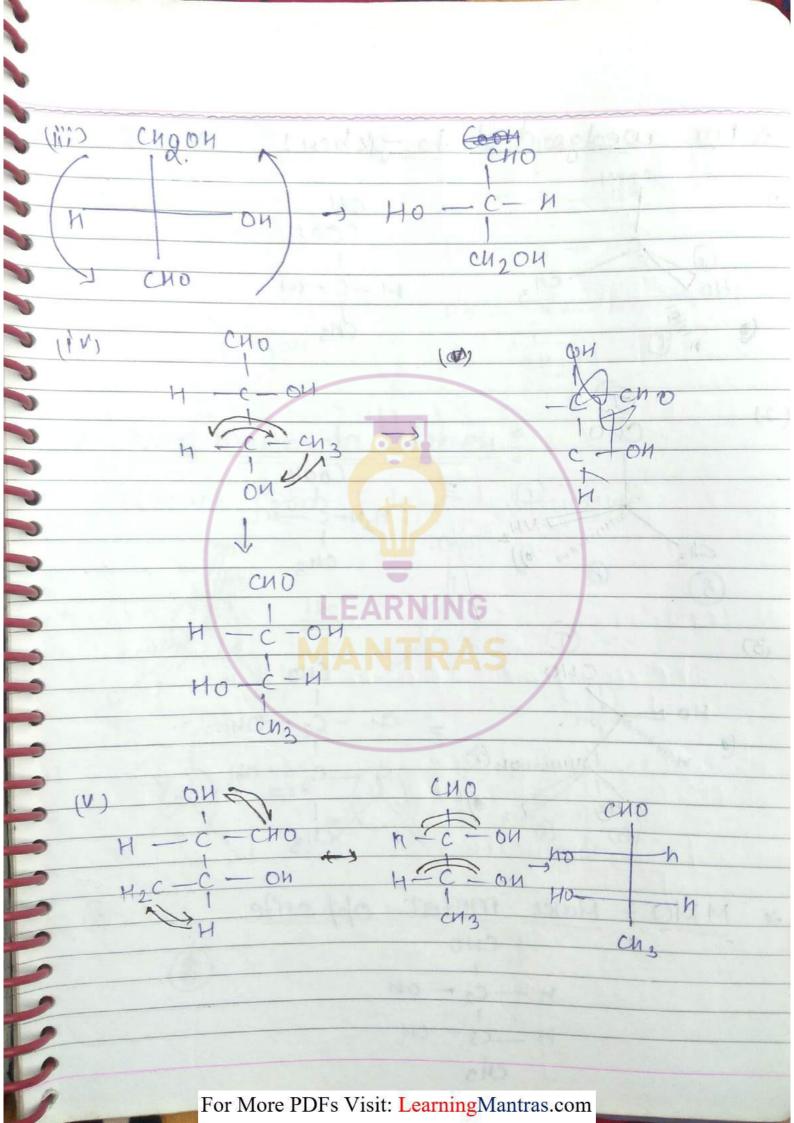
Essiential Condition of optically laction.		
H.w. Race: 6.		
(18)	18	
(18) c) IIIIm Q C2 traw		
191 C2	12	
20) NHy C3C2.		
Note: Those compound which have neither pos	[9]	
* All oppically compound are known as chiral, dissymmetric compound.	(n	
Chirel Compound		
Pos = X Dissymethic comp		
Clos = X AAOS = X	1	
Que! Identify chiral/active compound among	er	
- Section of the sect	Car	
	6	

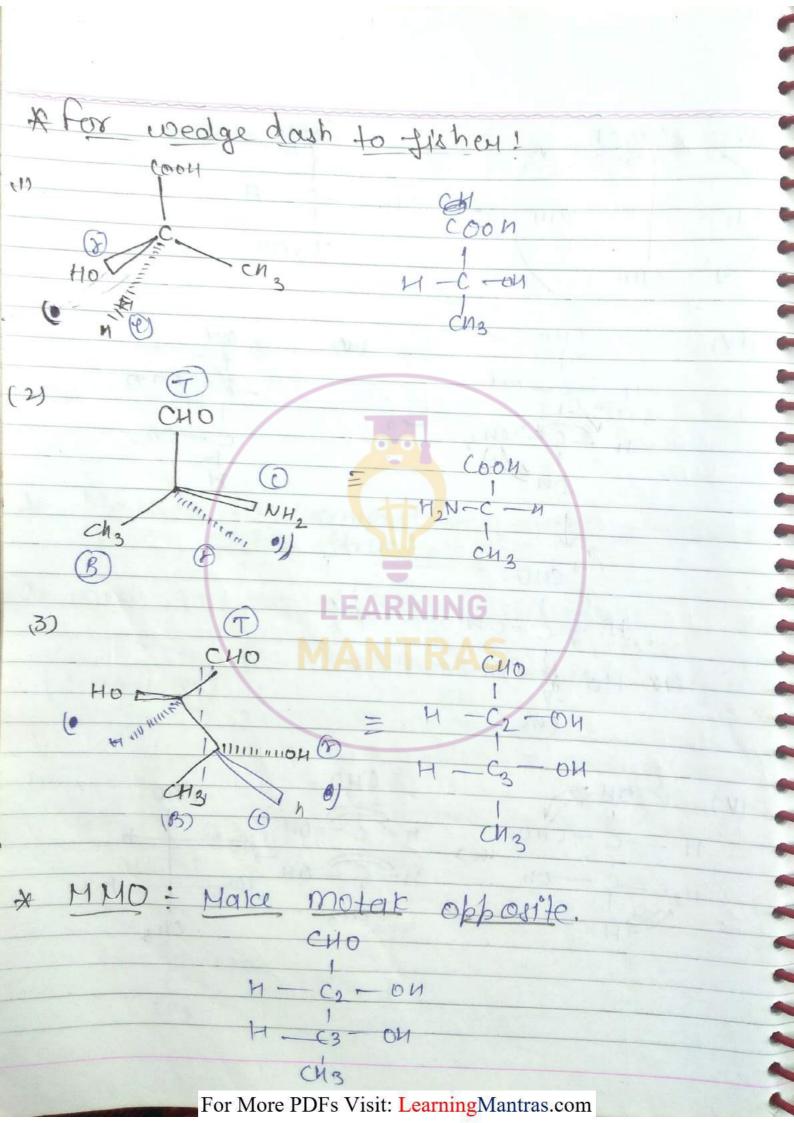
Cons Confermational
Defail study for 1 Chiral er 2 chiral colom compound.
* Single Chiral Compounds!
Coon
h-C-on Single charal atom compound
Single charal atom compound ons our always ophically ottachie
Cicy = X
OA/chiral.)
Two chiral compounds Cook
n -c-on hording widon
$\frac{1}{Coon} = \frac{1}{Coon} = \frac{1}{Coon}$
Pes=V Pos=X JOA
Ofa a. chiral cos = x Schiral
y -c -on
no-c-an
cn ₃
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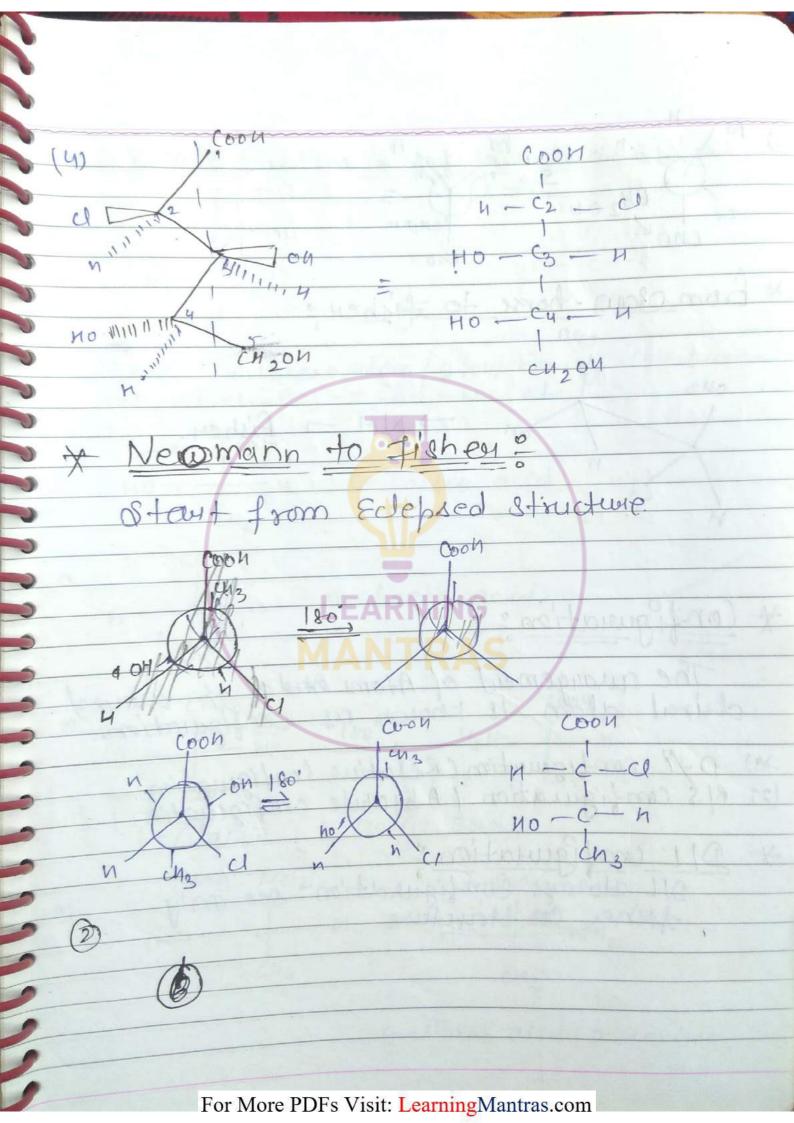
V. Very Importa	nt. HIWI ROLLET
Laborate Anna de la laborate	abula lintati
* Method of suepuse	utation of molecules:
2. wedge solesh	x dingle third 'temperu
3, U.	
Samuel and the I from A.	const.
1 - C - OH HO G - N	
	10H-CH20H
1	10.1
CHO	CHO
1 0 0 0 0	
H	HO-C-H
CH 204	CH20H
- COO+1	

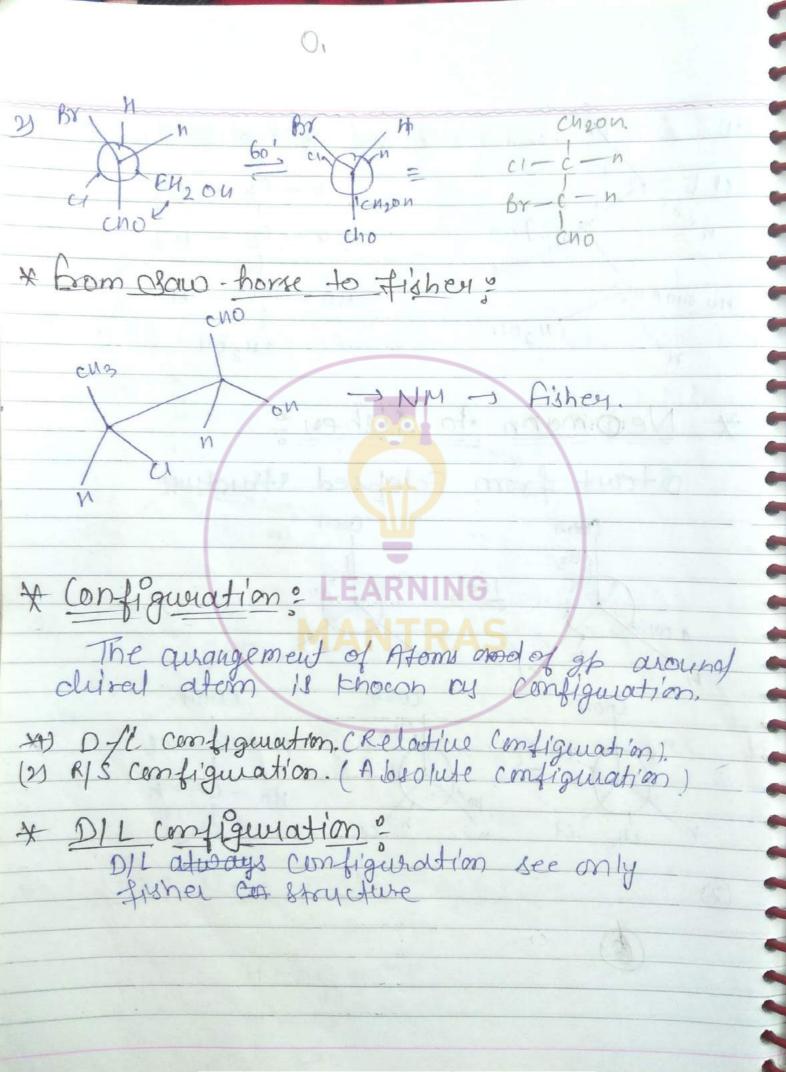






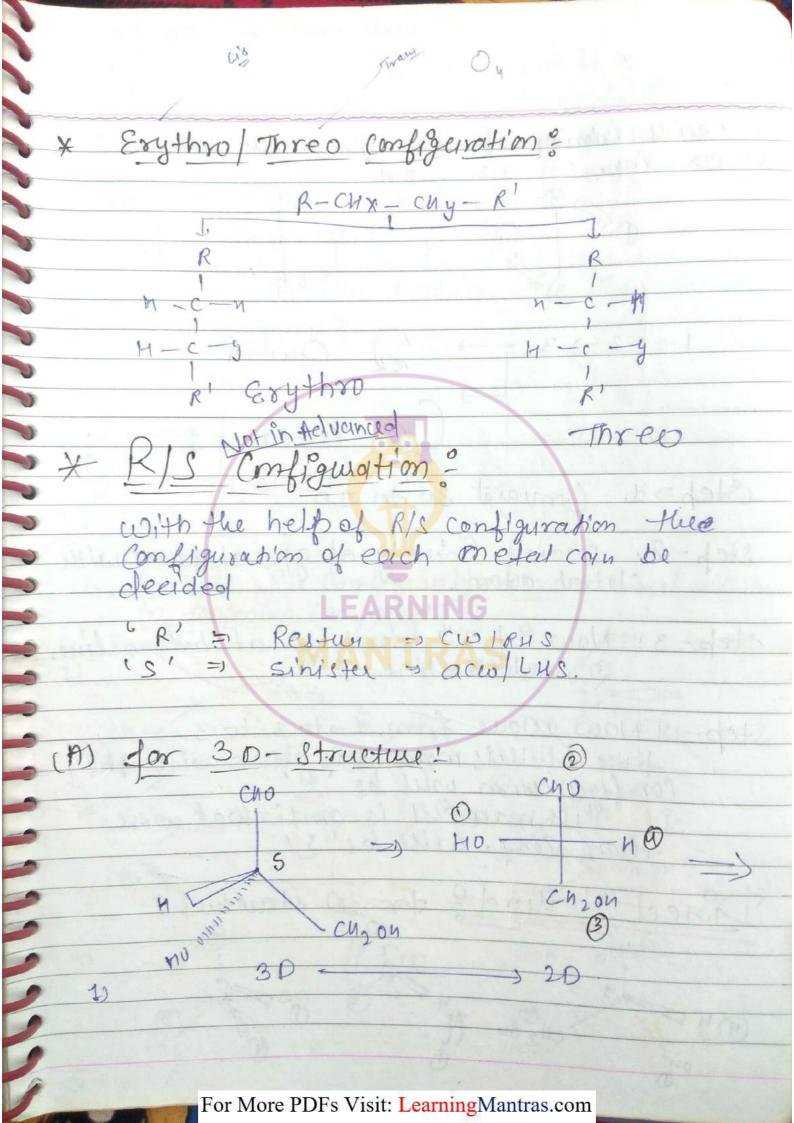


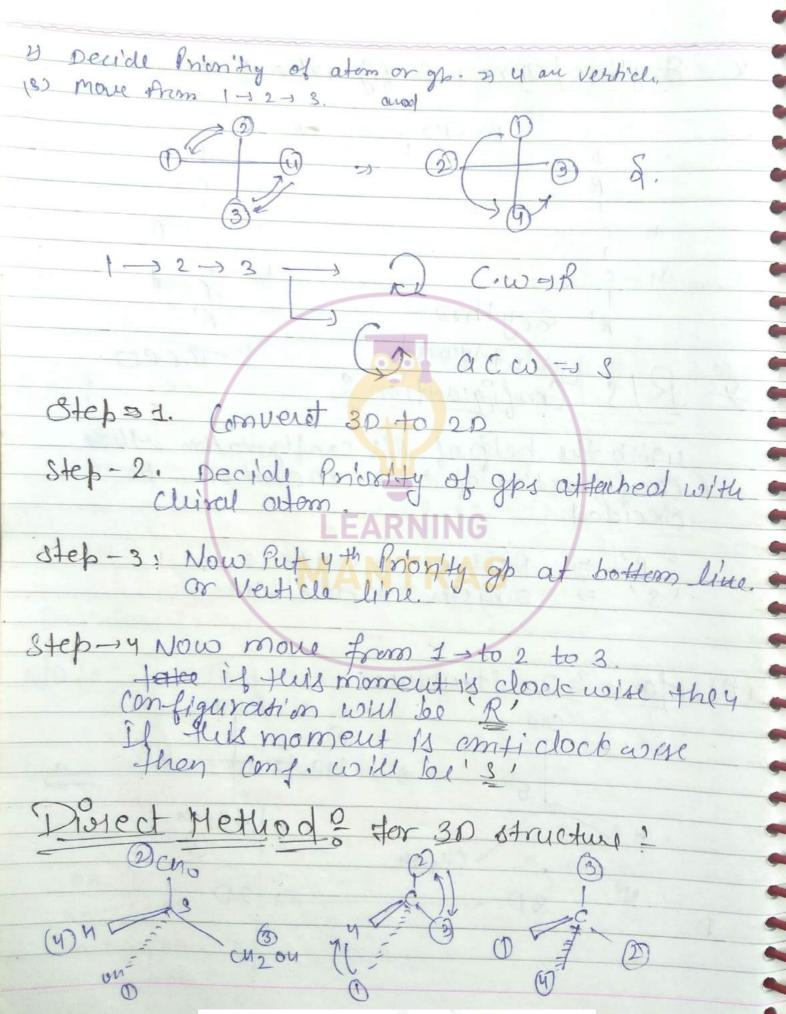




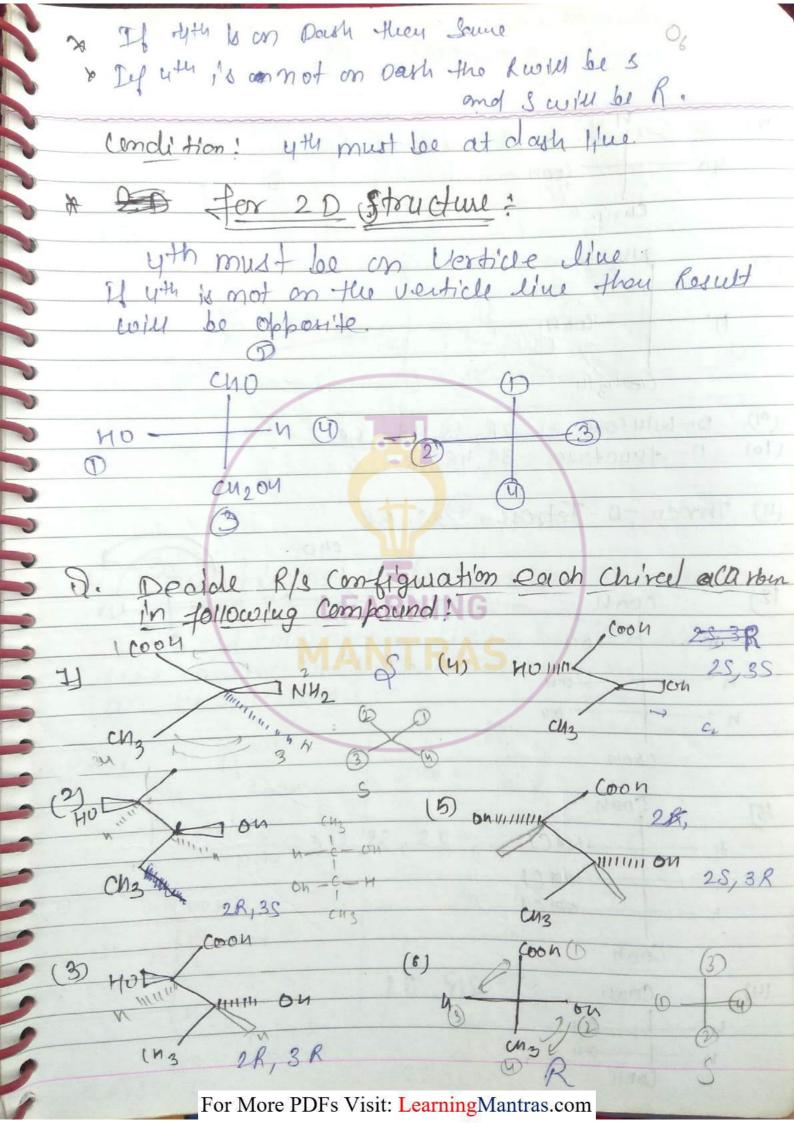
* DIL configuration in comp. having & chiral atom 1 where r= tehero atem/ group having Hetero atem. f, cl, -Br, -I, -on, -NH, ete, C004 - 4 L- Lactic acid.)3 CU2 COOM 0. D- Cachic acud Chan won 0. 1800 HON. Cus Coon -Alanine (c-Amino acid). GOOM NY2 Coon 4) Coon. -WH2 CU3 D-Amino acid (D-Alanine

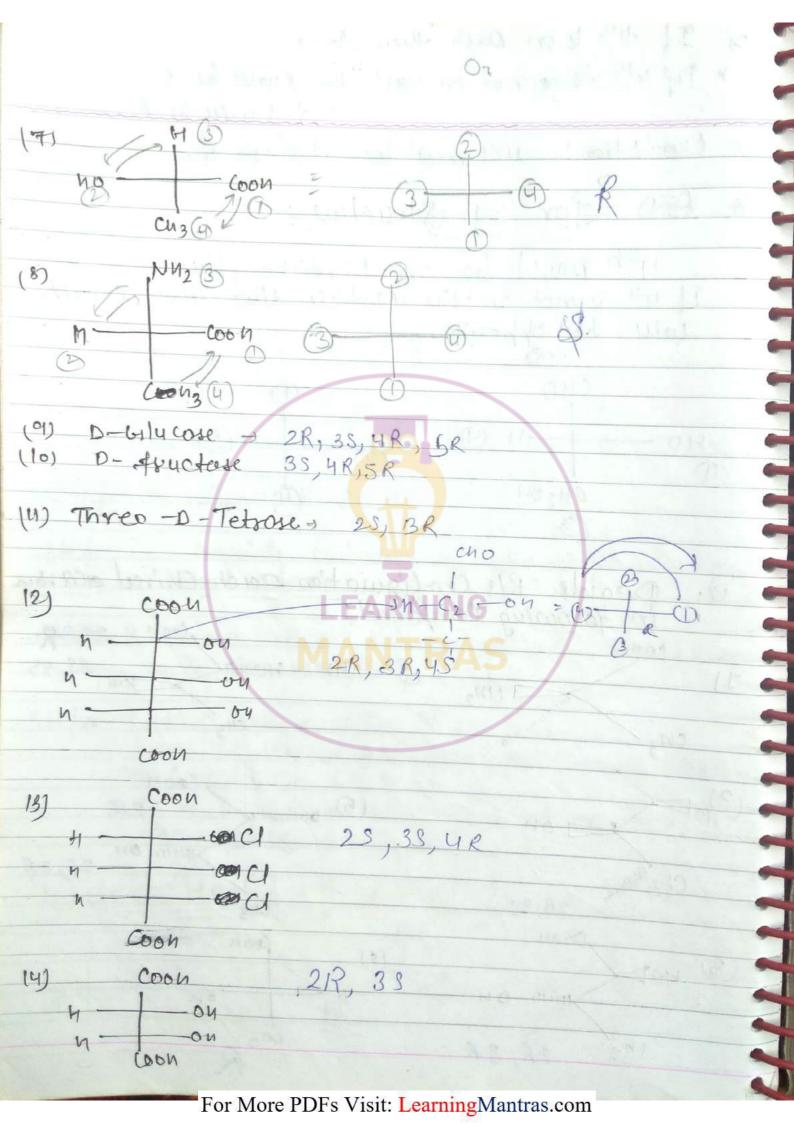
O3 waty major only Advance * DIL Configuration on comp having more than me Chiral atom ! CUD CUO Ch204 D- Wacose. P- Fructose. Note: Of Domes of any Comp. are miserar to Que! make the structure of L-Glucose. n - c - ou M0-C L Glucos

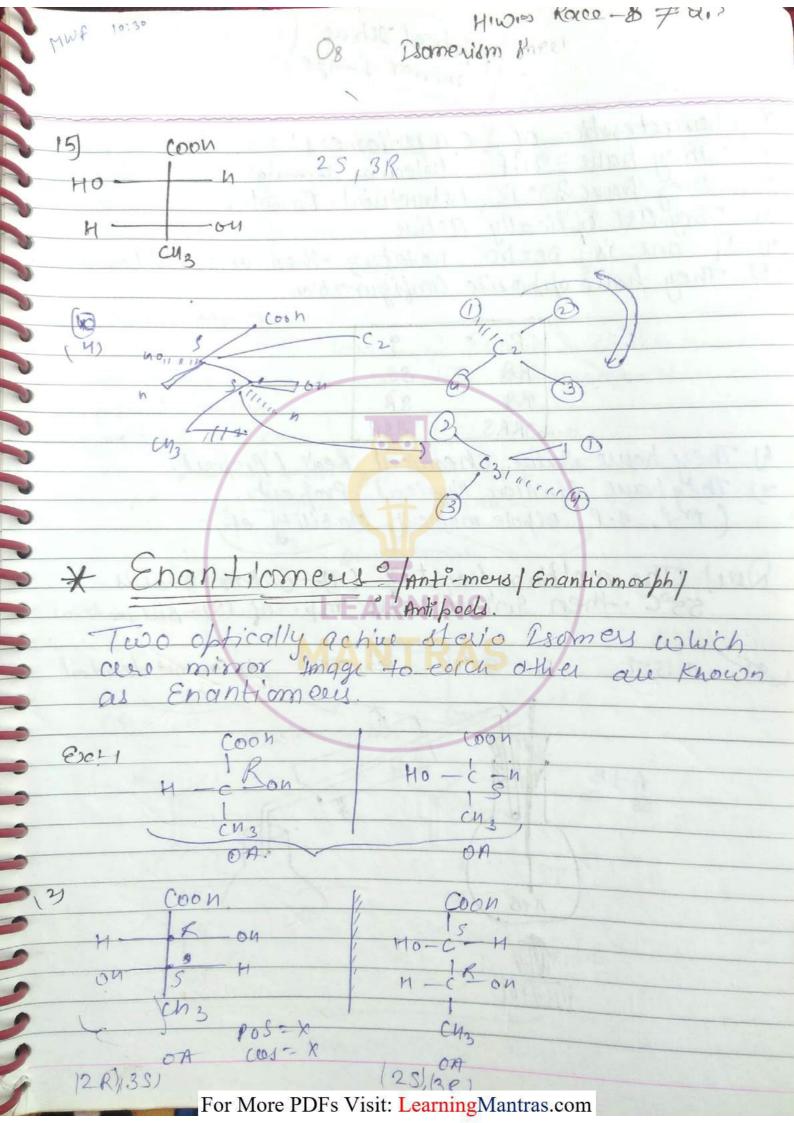


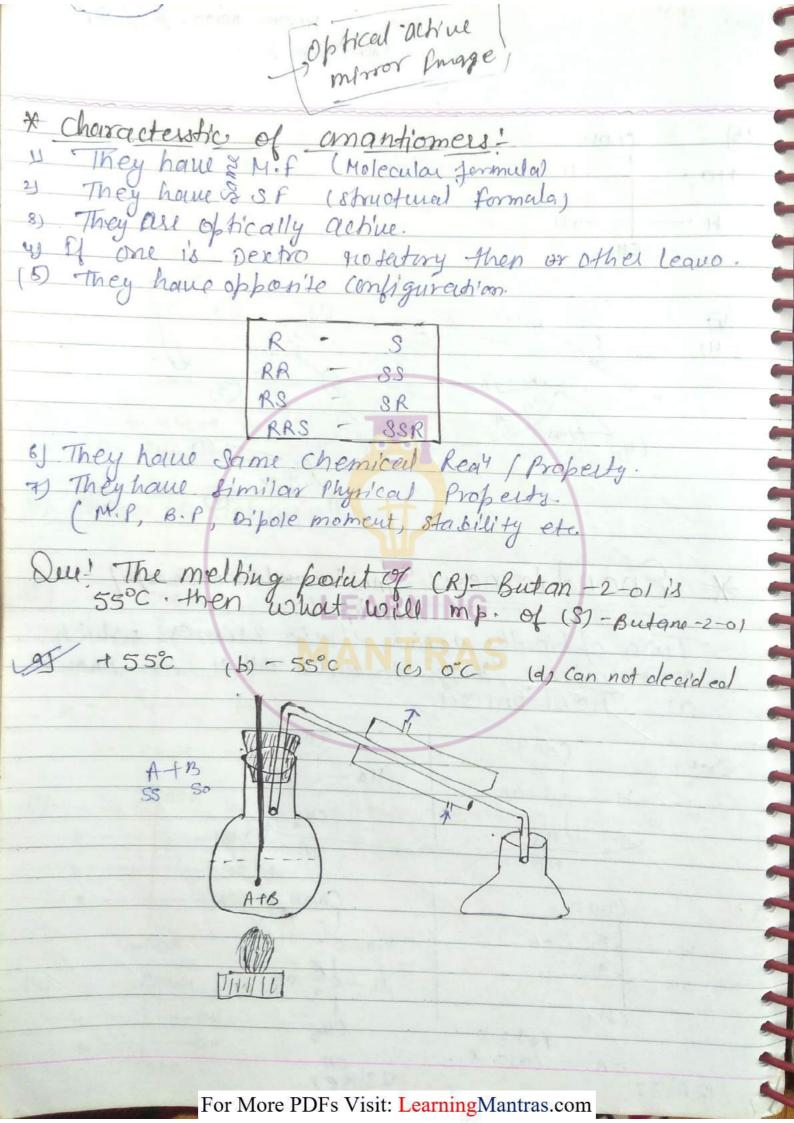


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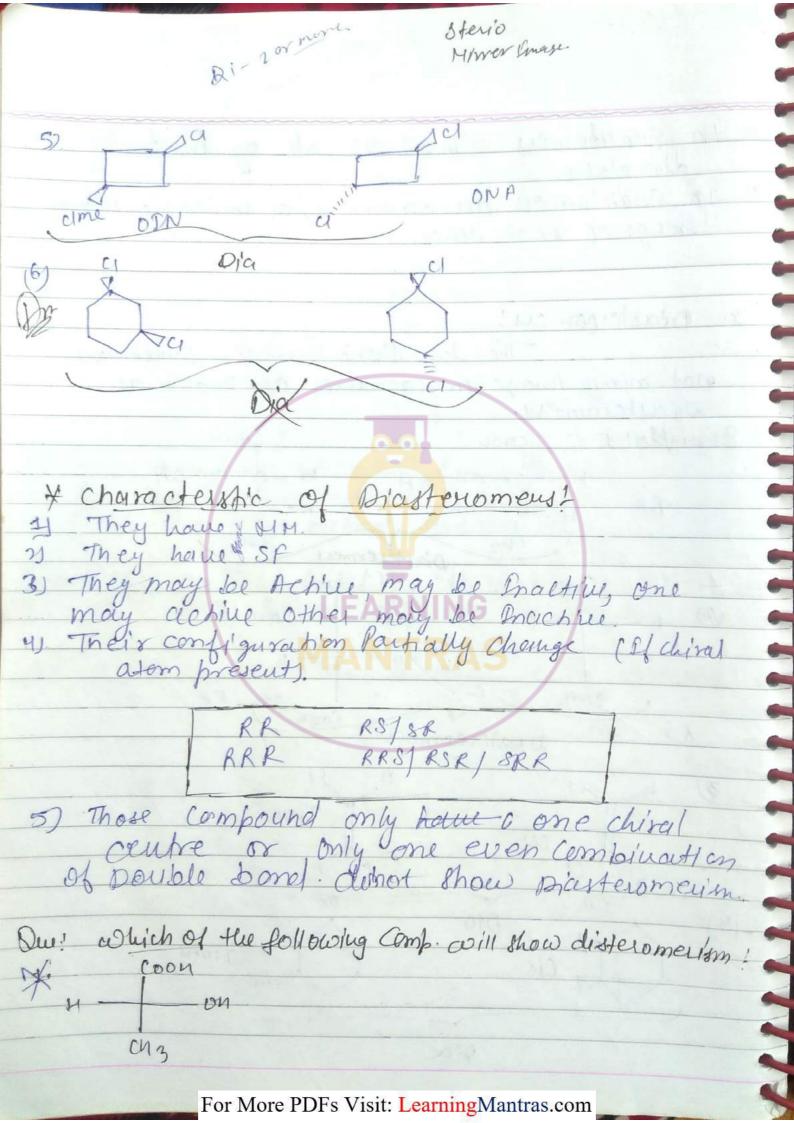


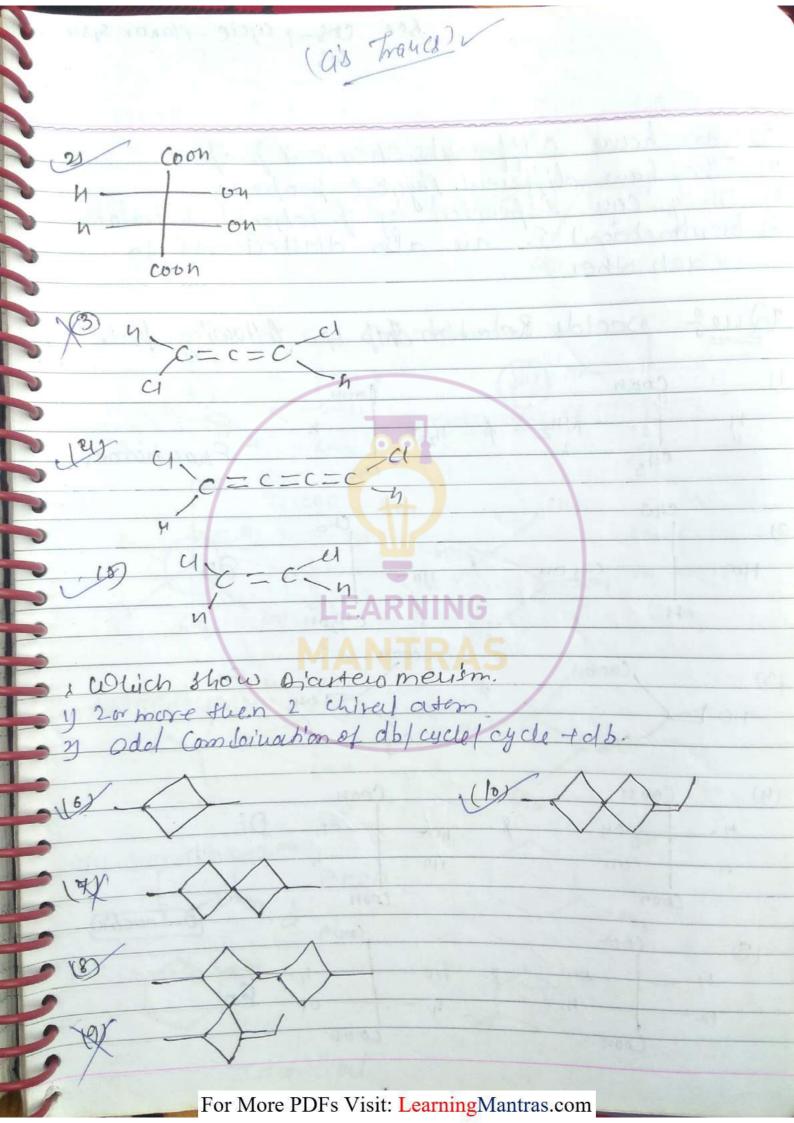




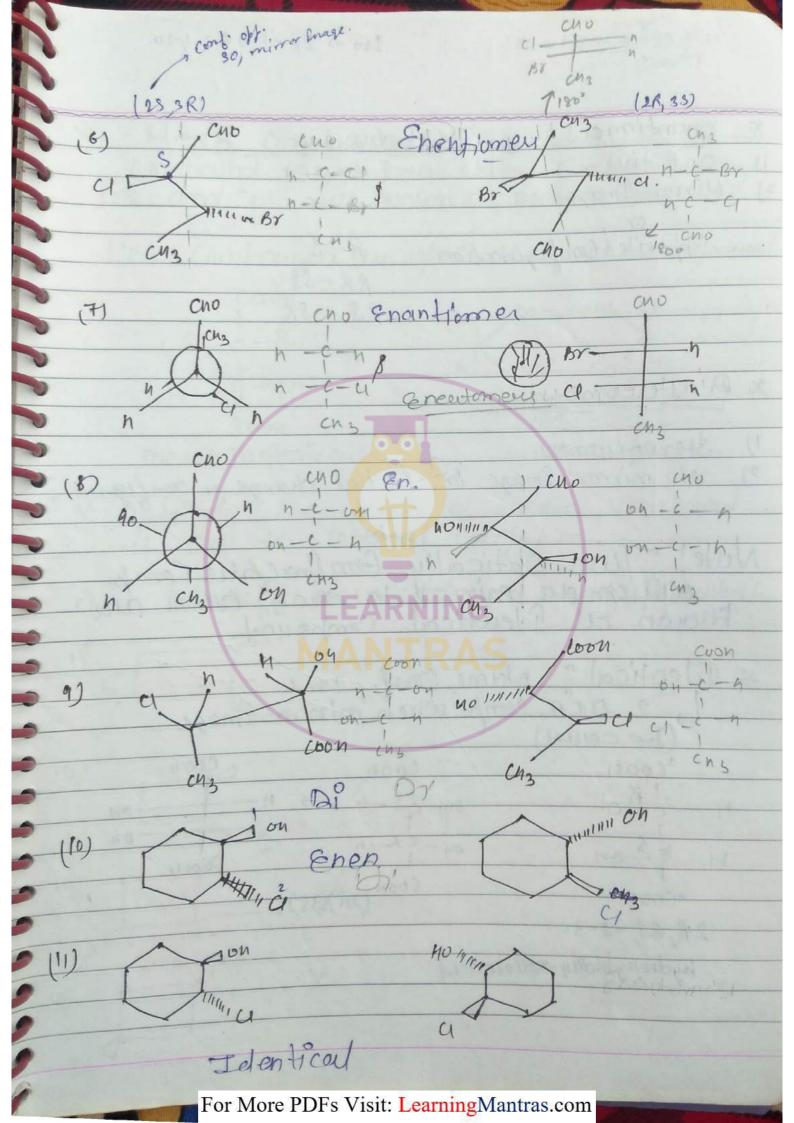
In Enantomers Cannot seperate by Fractional Pon Enantomes are non super emposible mirror distralation. Image of each other. * Diasterpomers: The Juo Steen's Reveners which are not mirror image to each other are bnown as giasteromers. Escample +1. Cooh Coon coon Djostercomers Tray CUS CI 019 Trans CIS dia

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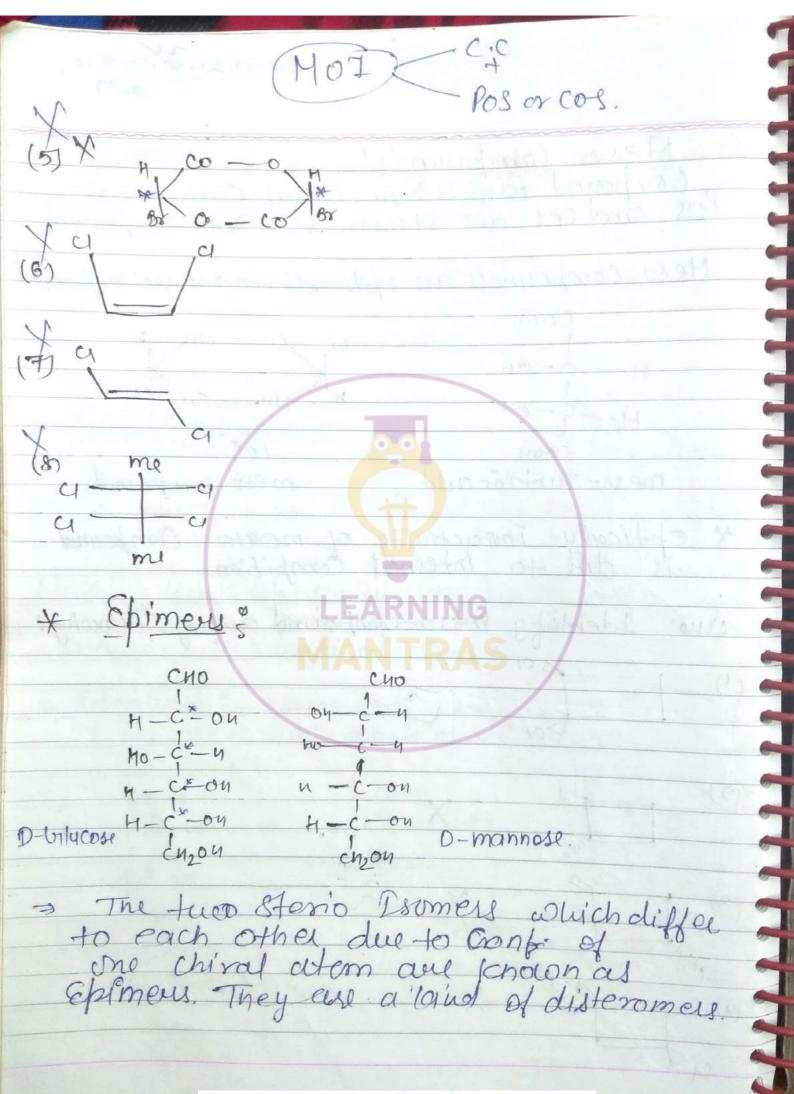
see cos-) cycle - Plancer syste 3) They have clifferent chemical property
4) They have different physical property
5) They can seperated by fractional distralation
6) bremmetrical I. are also diasteriones to Each other tames Decide Relation Ship to following pair (5) Coon Coon Enguhimen Epautiones Cho CH2 OH en ou on Cooy Coon Coon Coon To. Enaching COOH Cooh -n Encubiomer (DON COOU For More PDFs Visit: LearningMantras.com

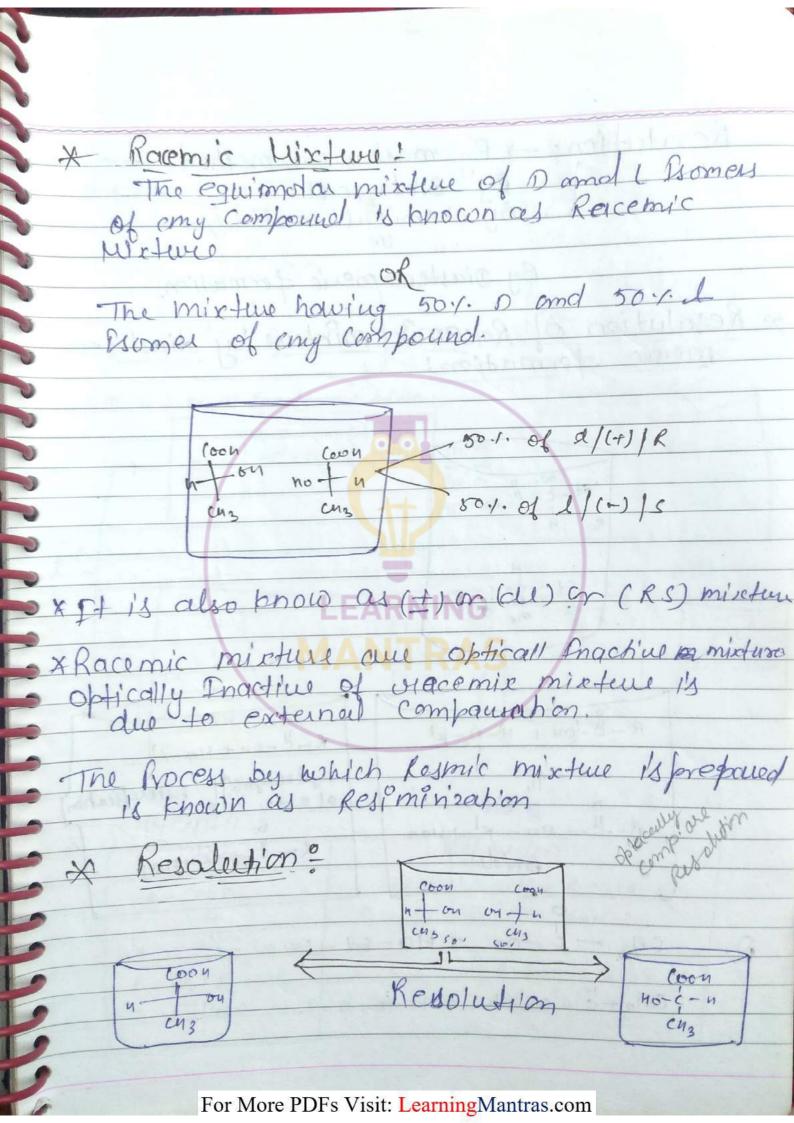


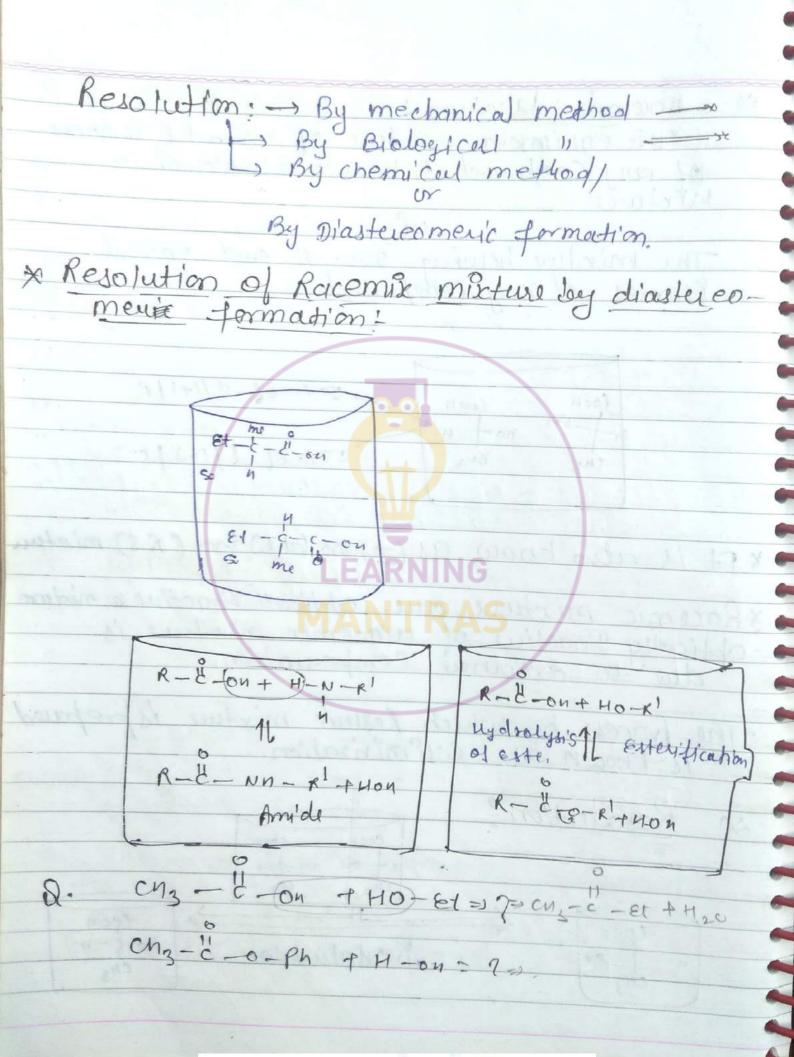
* Enantimers! " Stereo 1s	m out
	on) erg
1) Mirror Image	
ml1 or	Che VIII
Opposite Confequention	R-S
	RR-SS
R	S-SR
i A AAIA	e and
& Diastereumens!	
- sucomed!	
1) Stereo isomers	A A
2) No mirror Process or P.1	1 1 1 1
2) No mirror Image or Part	al charge in comfiguration
Note! Two Optically Go which are mirror to known as selentical	m Proposition
be which die mirrot to	each by an p.
phown as selentical c	ambound are
V (Colon 1 to 1 0)	Tour ig
* Identical ? Name, conf.	some.
13, 2 01th comp when r	niror Image
10.000	14 July
H - 2 Kon on - 18 - n	Cooh
H-C-04 04-C3-4	on -on
H 30 5 00 00 - CR-1	n on
4COON COON	Coon
2R, 3S, -2-3- (2)	R)(3S)
211,00, -2-3-	
hydroxybutan-ydioicacid	The state of the s

Dso -> a. 20- 89+40. 7 29. Meso Compounds: compound which have chiral combon with tos and cos are known as measo compound. Meso compounds are officall inactive Compound. 0004 meso-Tartancald meso compound * optically Inaccounty of means Compound is due to Internal Compision. Que: Identify meso-compound among Followly 13)

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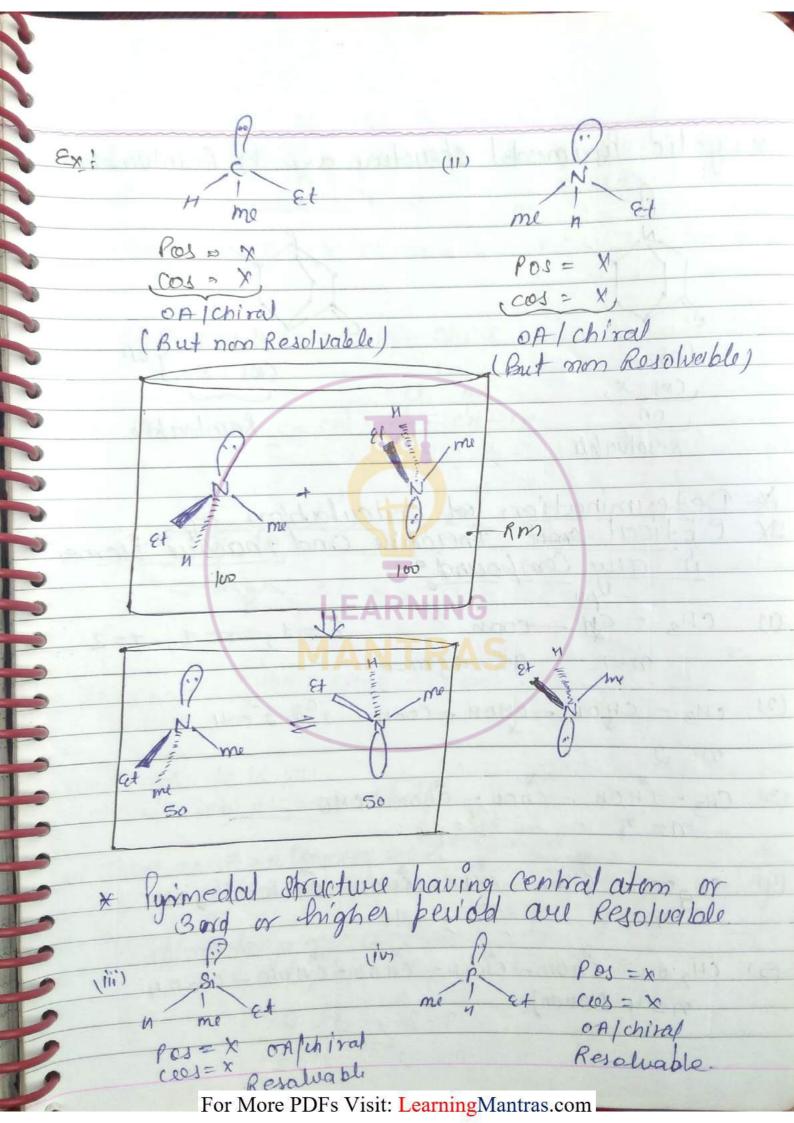


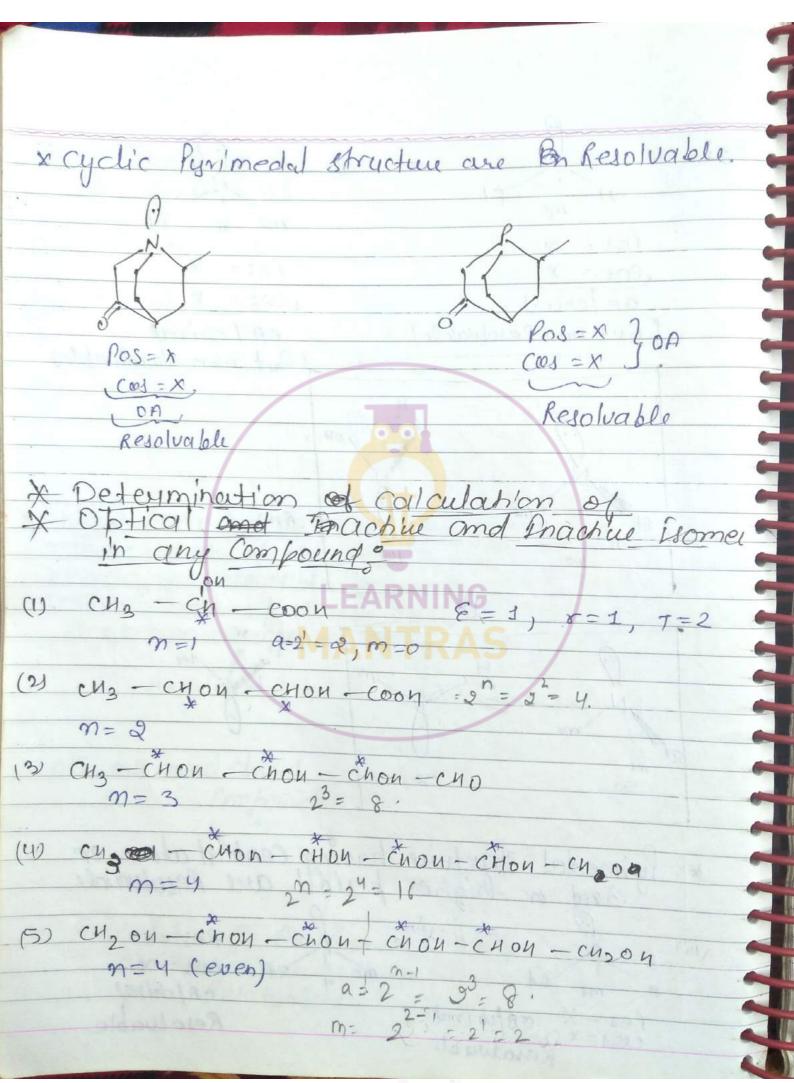


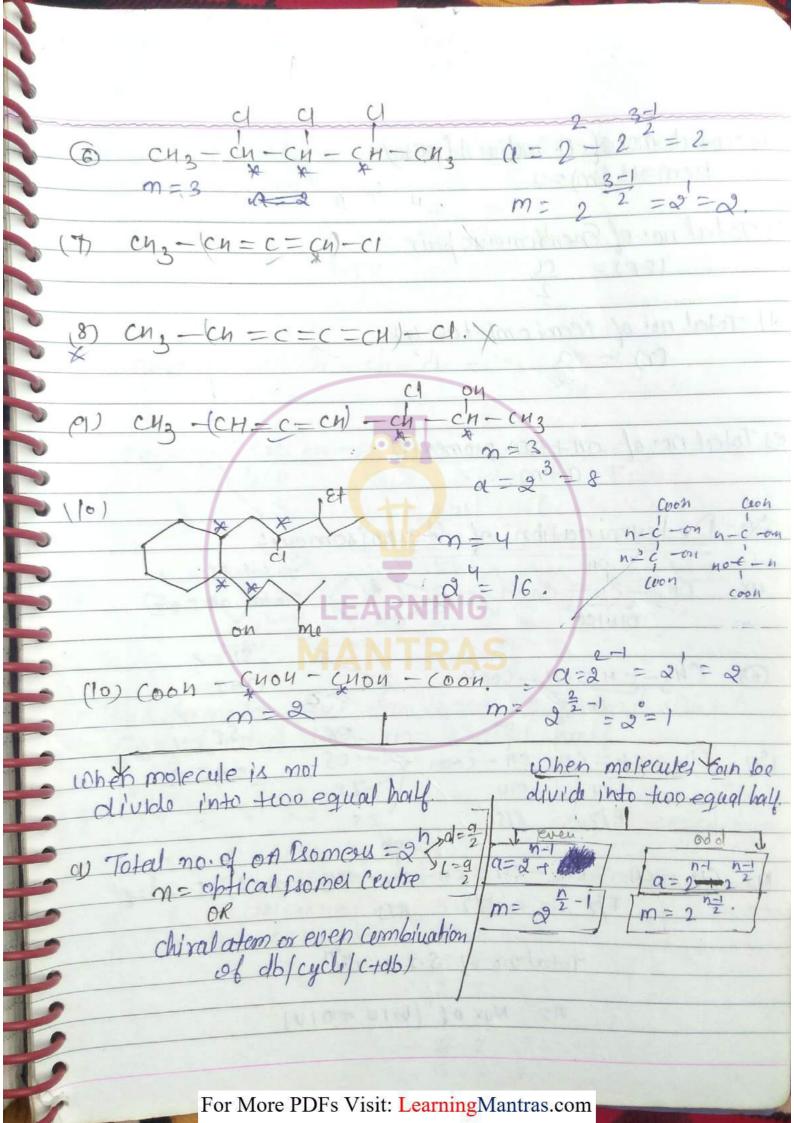


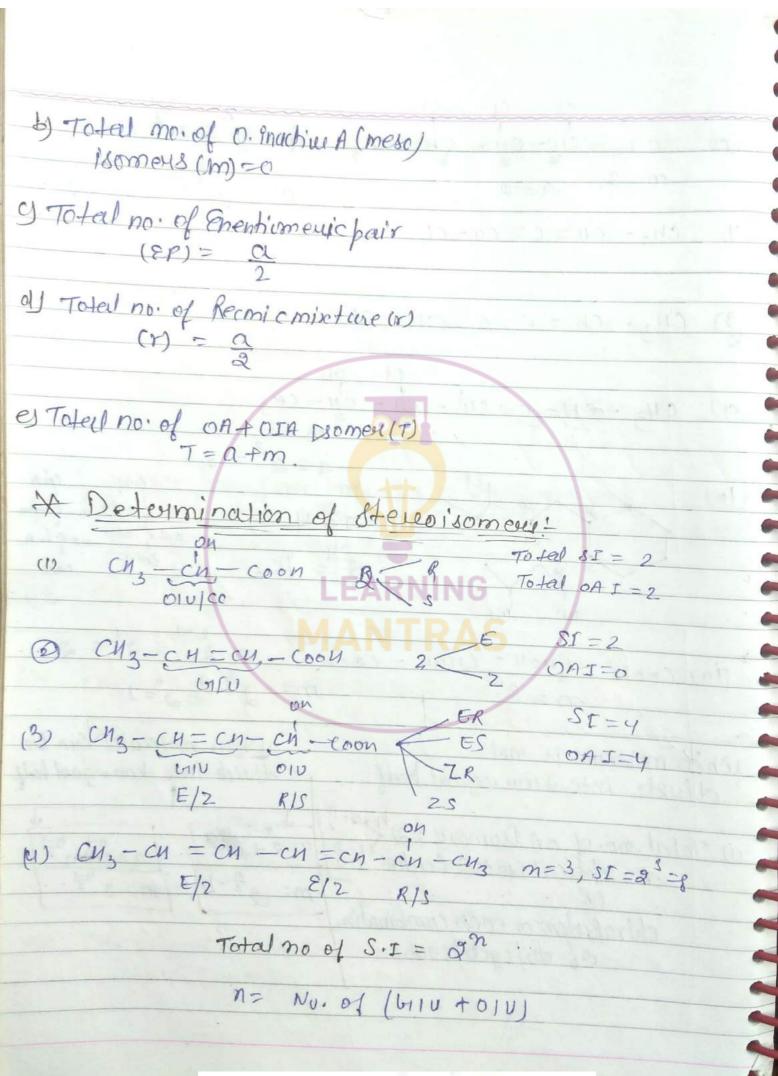
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Dur Identify the Suitable Auguston which can be used to sepenate the resmignisture of 2-Butanal (1) × cn3-cn2-1-on yel) NH2 (2) Ch3 - ch - coon * Resolutable or Re Non-Resolutable Compounds! Those comp. of which wesolution is possible are known as Resolutable Compounds and Those comp of which resolution is not possible are known as non-Resolutable sompound, Resolvable Non-Resoprable Abl O.A and chiral All DiA / Achiral compound. Compound * Exceptions All Pramedal Compound with elements are and period at contre aux non Resolvable.

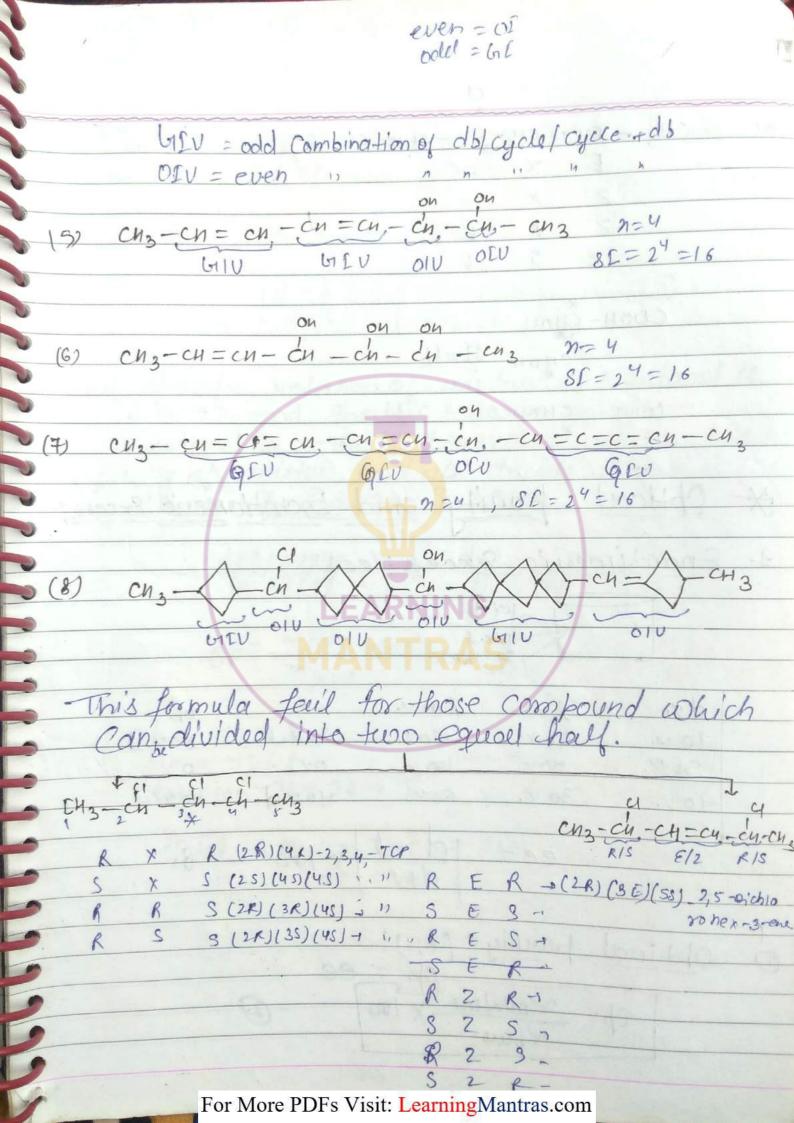








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There = S.R of mixture

There = S.R of pure isomer We know of see, then d-1] - (~mirture) _ (3) Que' specific rotation of mixture of 2 Butanol is

- 9.72° and specific rotation of -/2 —

Butanol is -13.5° then color will the obticer

purity of mixtur and also decide domal Termer of 2 Butano | in mirtue. 0b = 4 mix x100 = -9.72° x100 = -972 -18.5 x100 = -13.5 = 70%. 1 Op = 727. 1 ee = 724.1 RH= 100-72= 28.1. Total y. of L= 72+14= 86%.

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H.W! Bo : 8x : 2 and J-H, and JA Race -10 Out * Optical at Activity in Byphyengl! Conclition: to be officelly active.

1.) Levige ghat any/both-orth position to both Ring.

2) Non Pos along Intermolecular bond in both ring. Que: (4) Learning Mantras