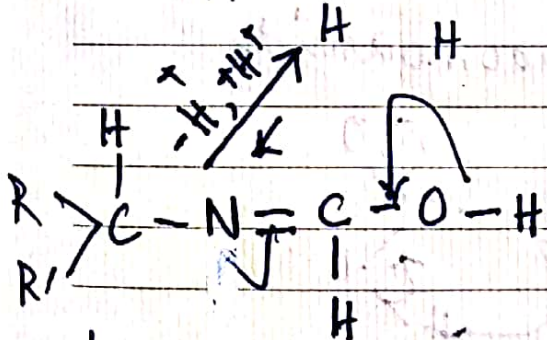
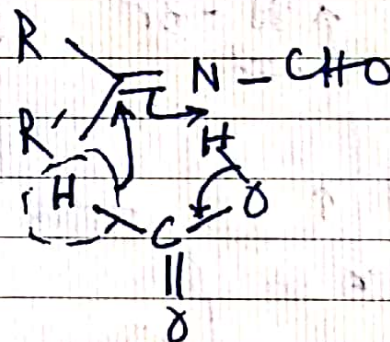
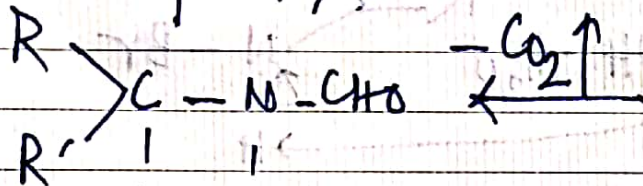
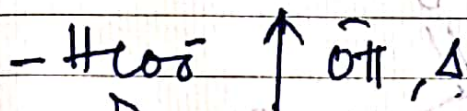
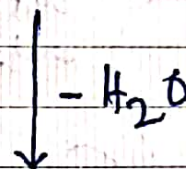
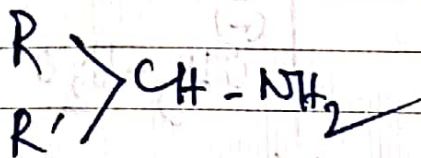
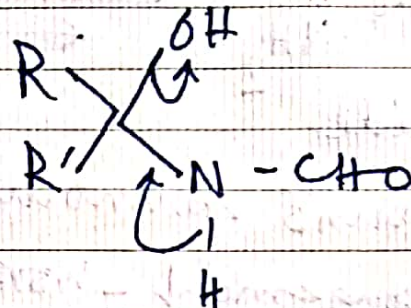
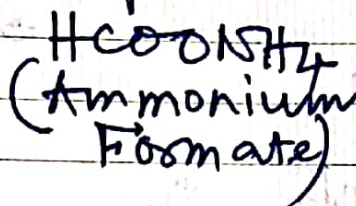
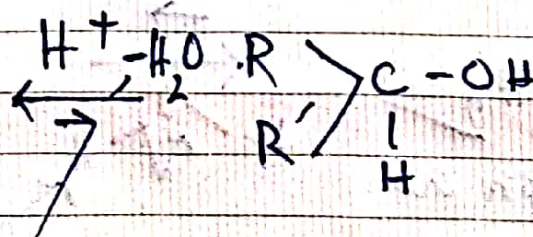
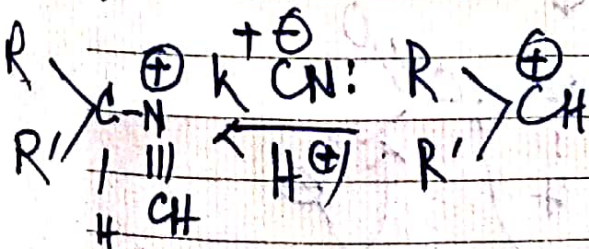
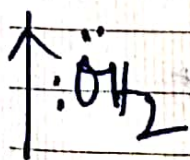


Leuckart
reaction

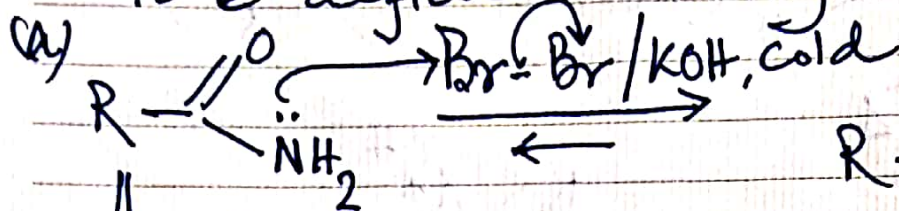


Ritter reaction.
(Can be carried out
with 3° alcohol also)

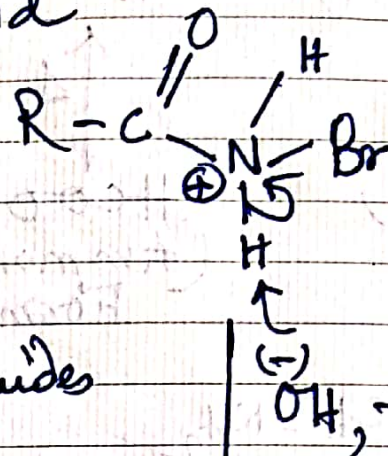


NOTES

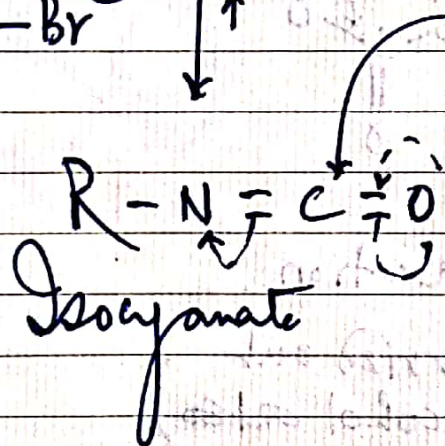
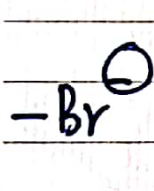
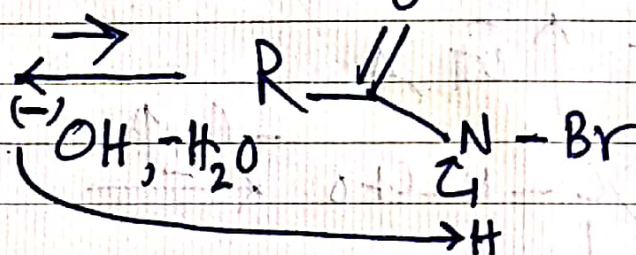
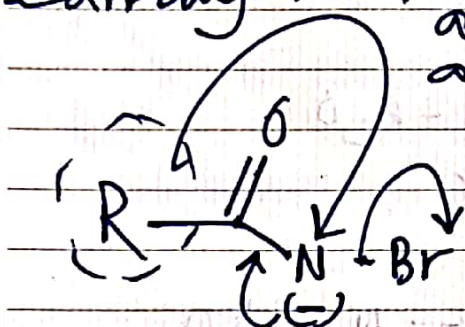
(iv) Molecular Rearrangements involving migration to e^- deficient nitrogen:



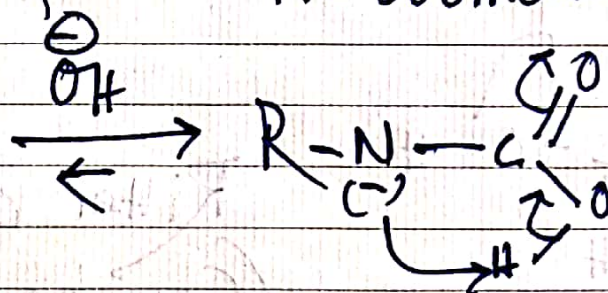
Amide



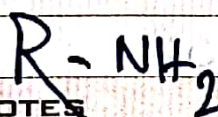
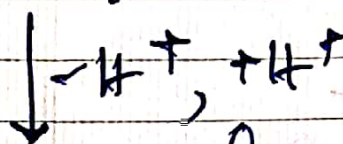
Hoffmann's bromoamide rearrangement - works with aromatic amides also.



Isoyanate

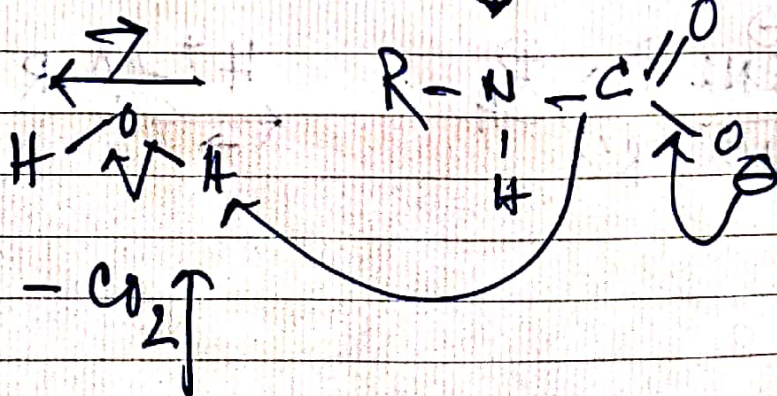


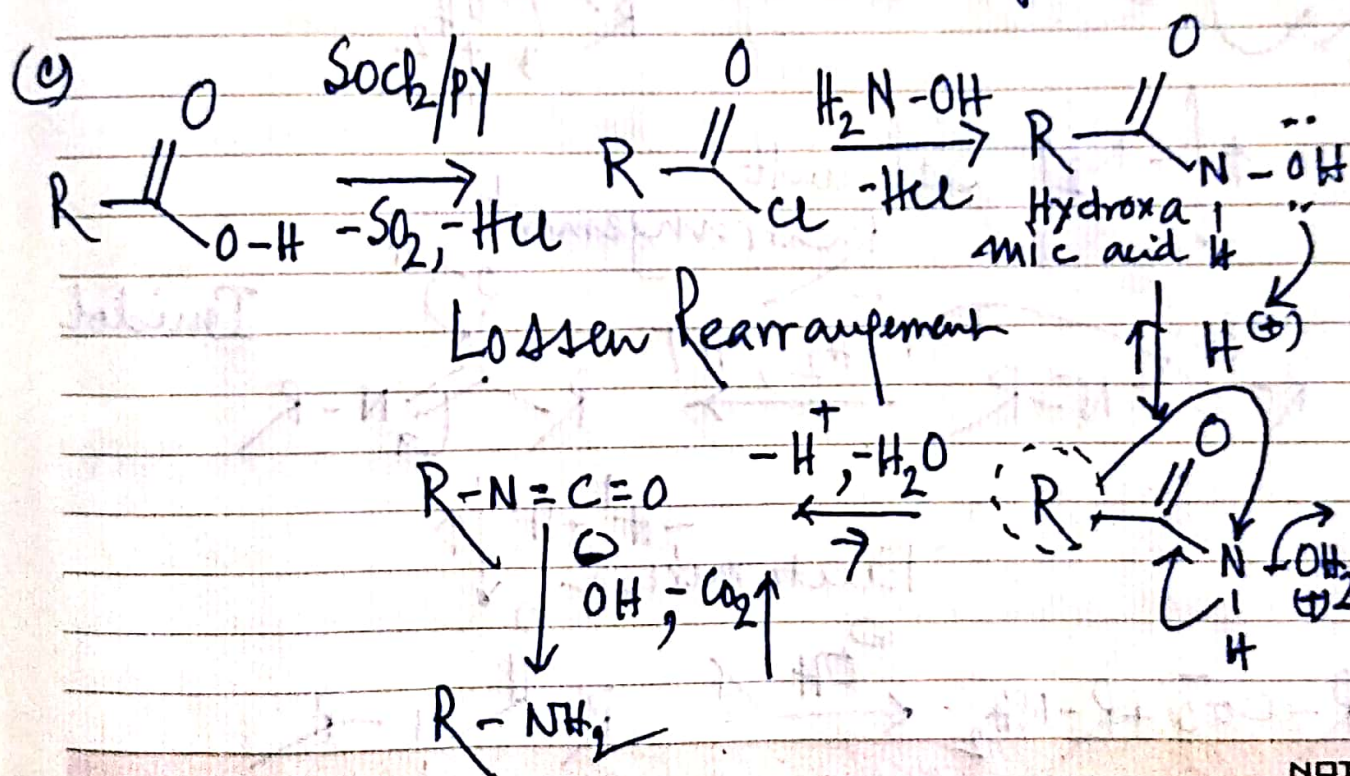
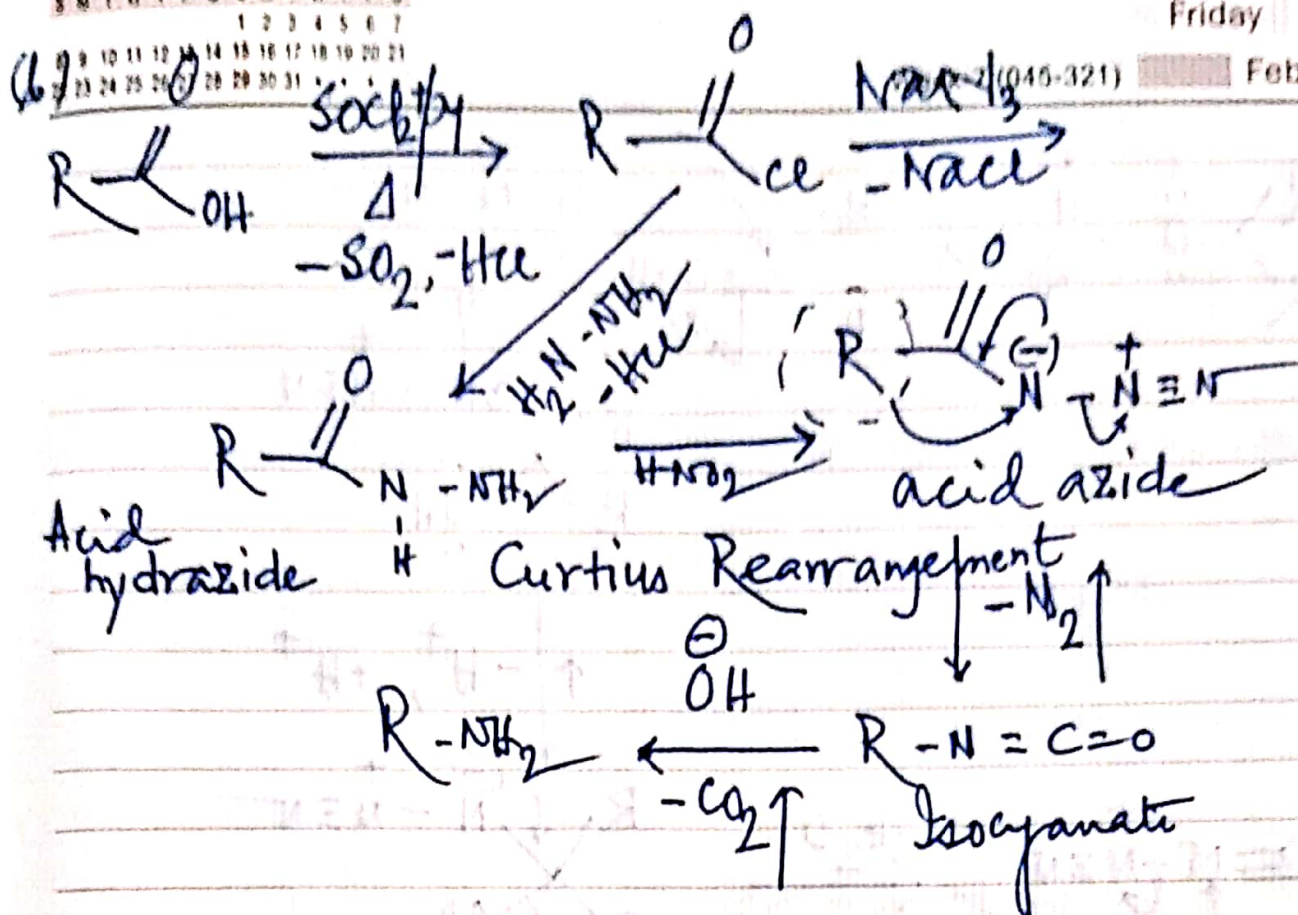
N-bromoamide



NOTES

Also known as Hoffmann degradation.



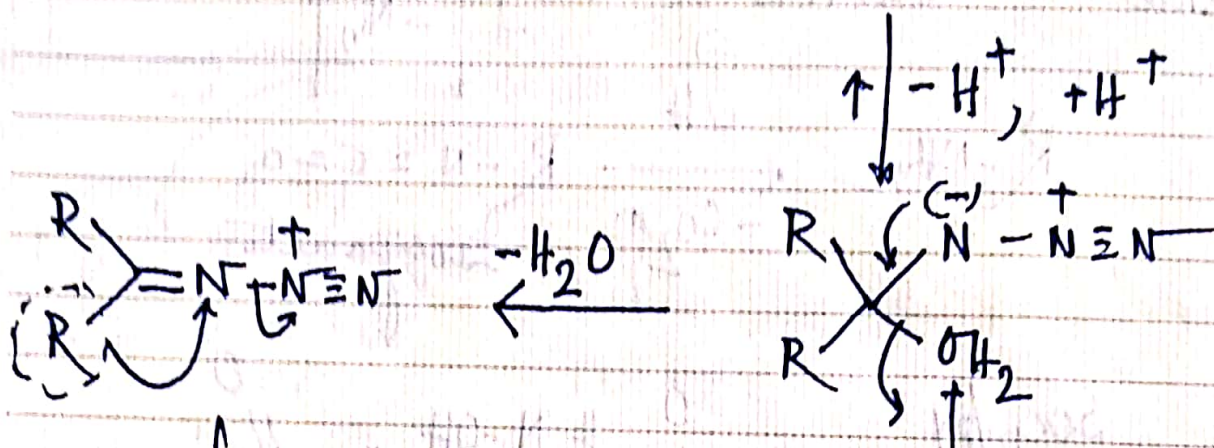
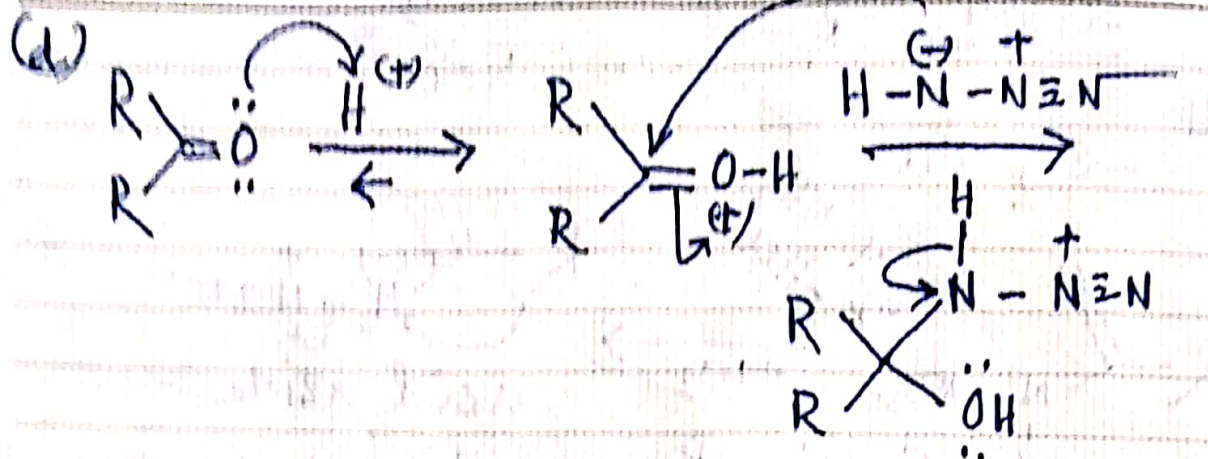


15 Saturday

Feb 2020 Week 7 (040-320)

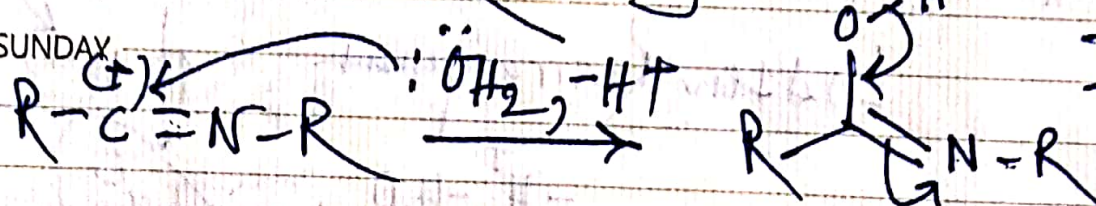
February

2020
S M T W T F S
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29



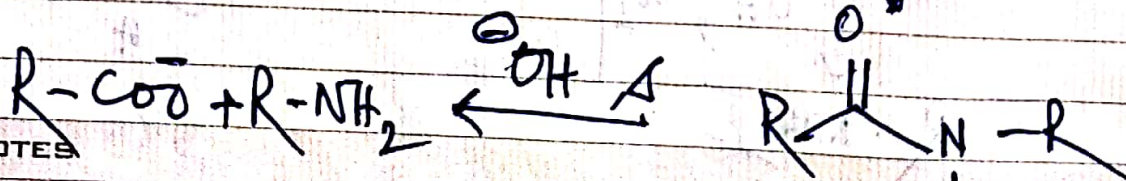
Schmidt Rearrangement

16 SUNDAY



Imidol

Tautomerise

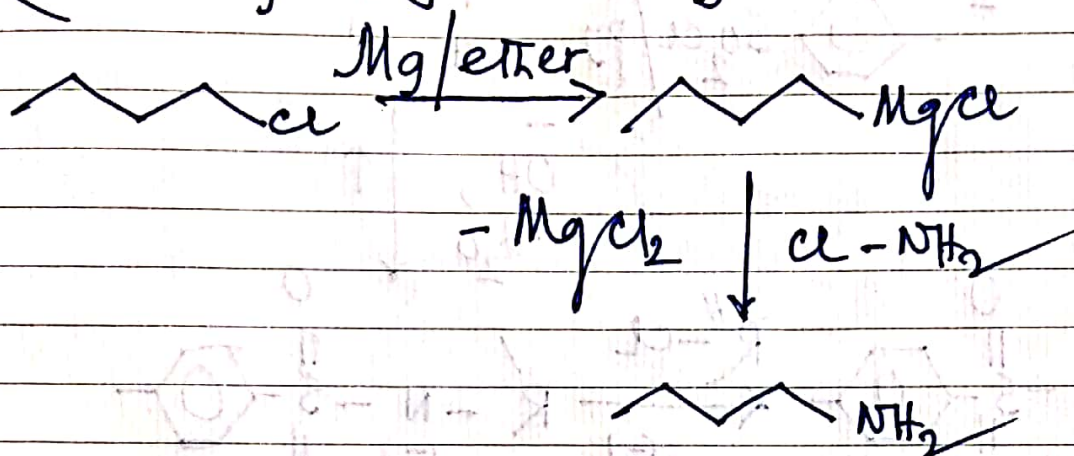


N-alkylamide

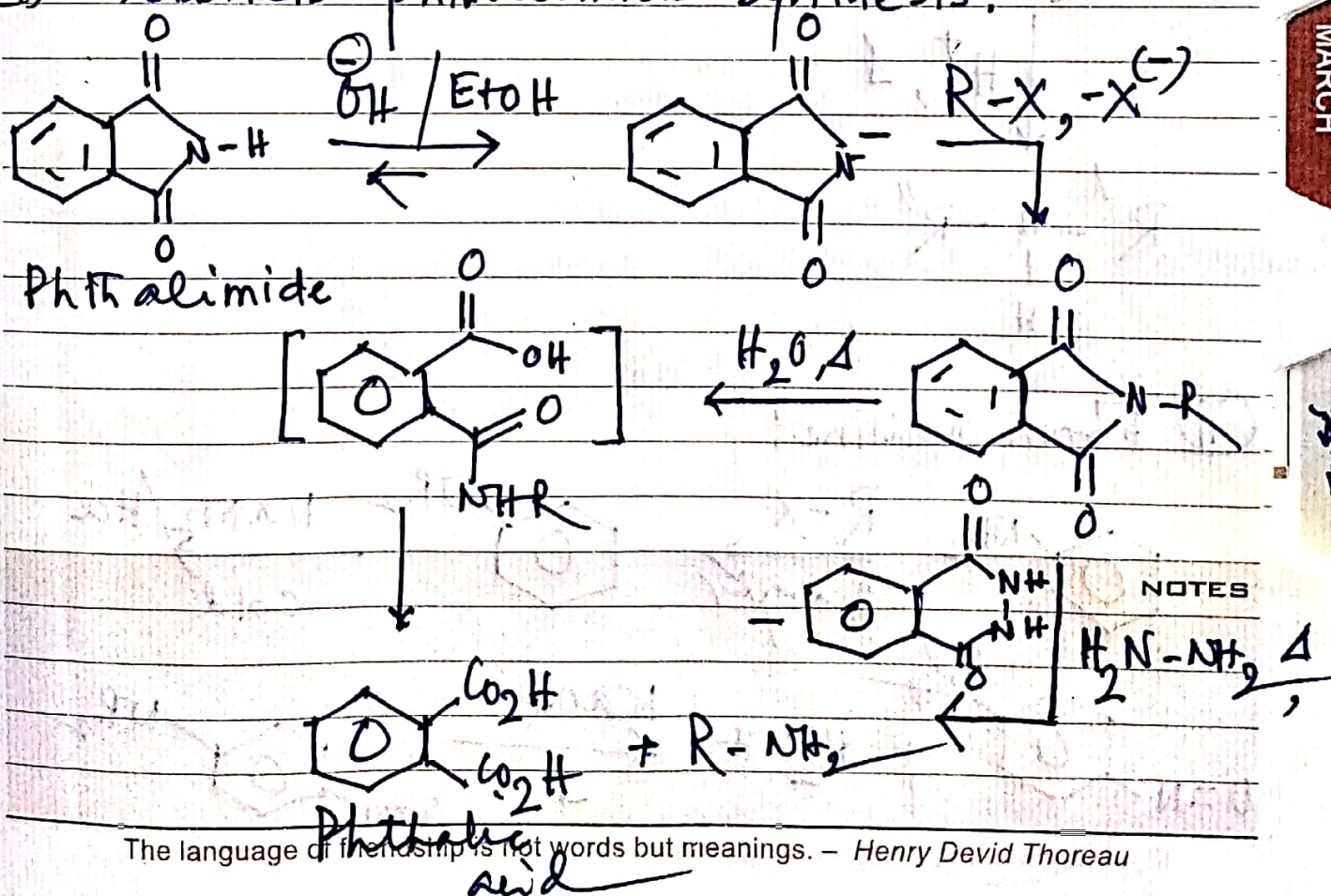
NOTES

Such molecular rearrangements may be fruitfully used to synthesize primary amines without generating 2°/3° amines as additional products.

(v) Reaction of Grignard reagent with chloramine:



(vi) Gabriel's phthalimide synthesis:



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Tuesday

Feb 20/20

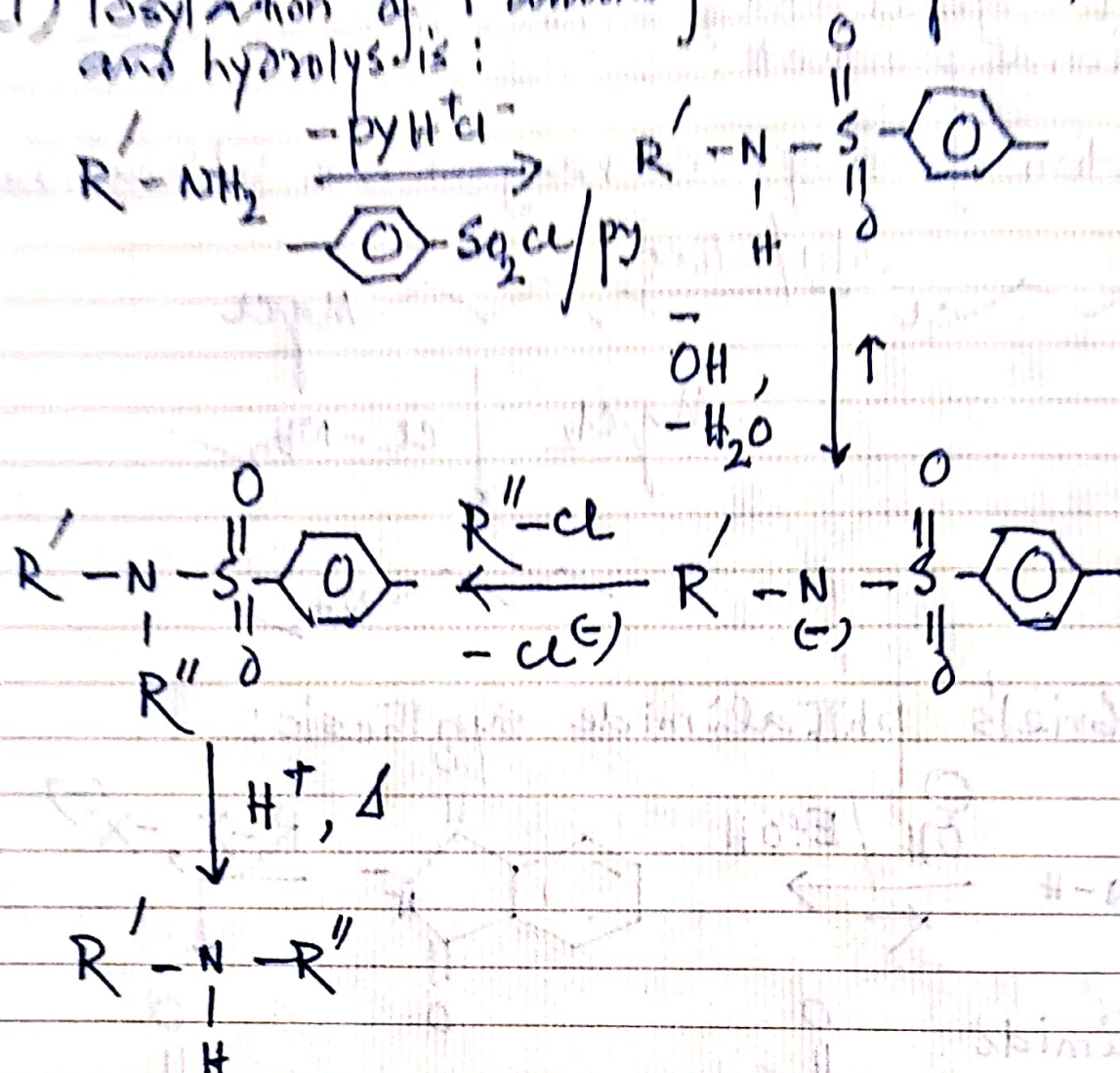
Week 8 (040-317)

February

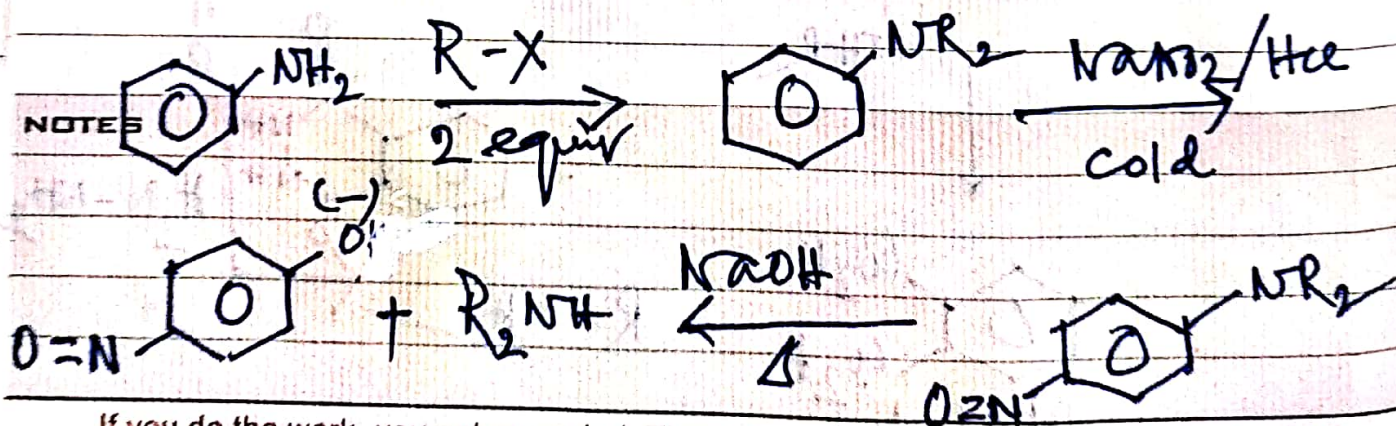
S	M	T	W	T	F	S	S	M	T	W	F	S
						1	2	3	4	5	6	7
8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29				

2° Amine:

(i) Tsylation of 1° amine followed by alkylation and hydrolysis is:

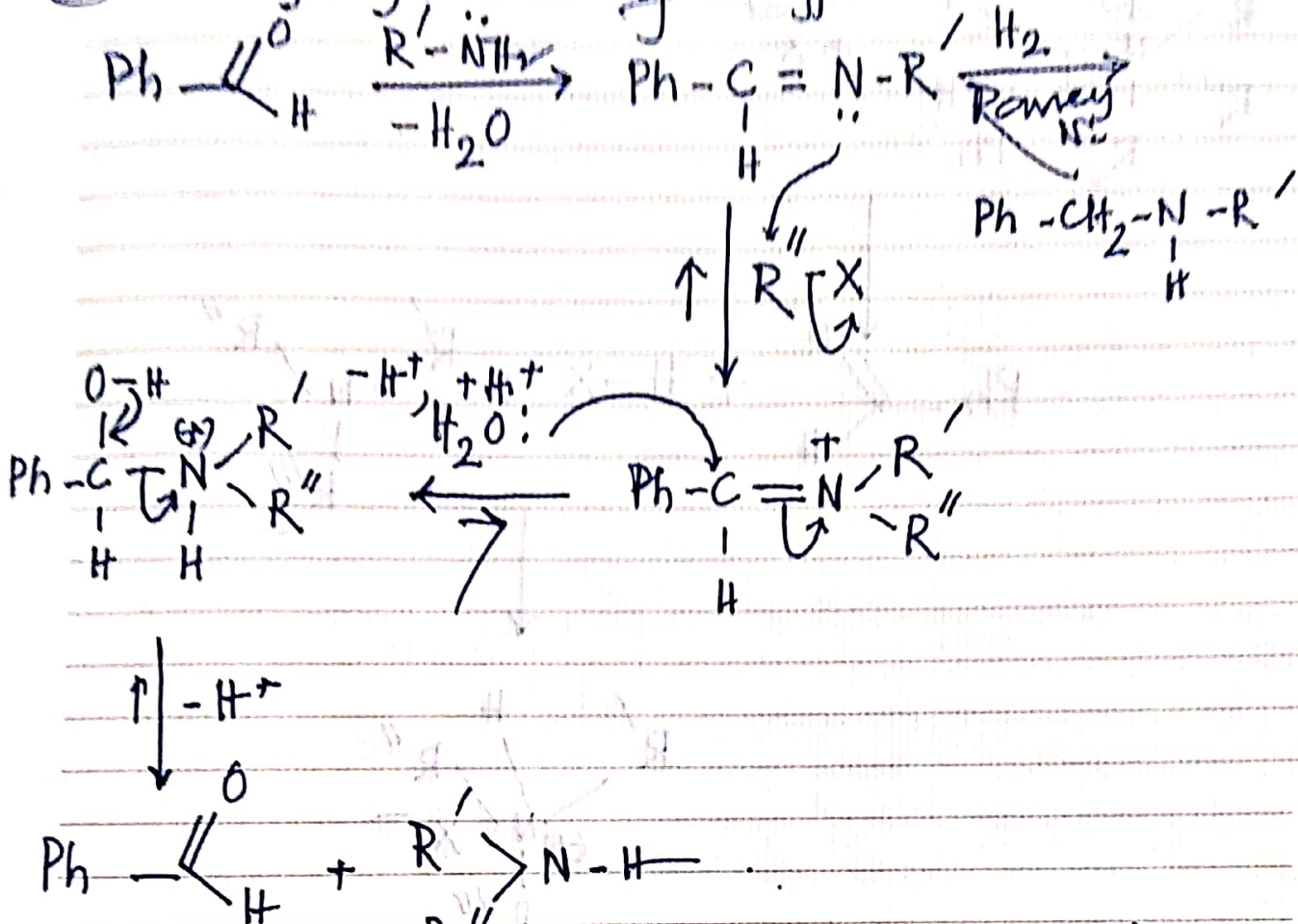


(ii) From aniline:

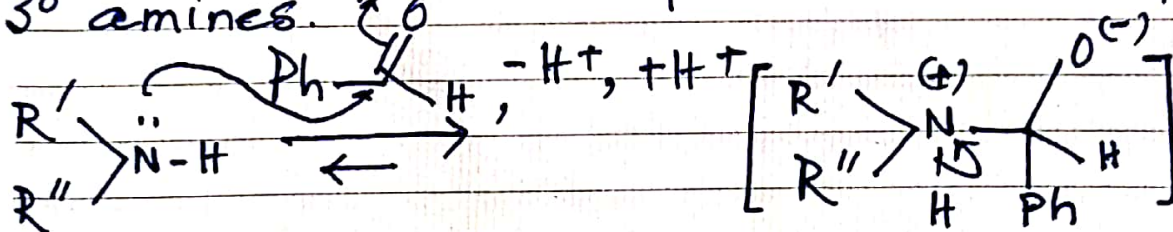


If you do the work, you get rewarded. There are no shortcuts in life. - Michael Jordan

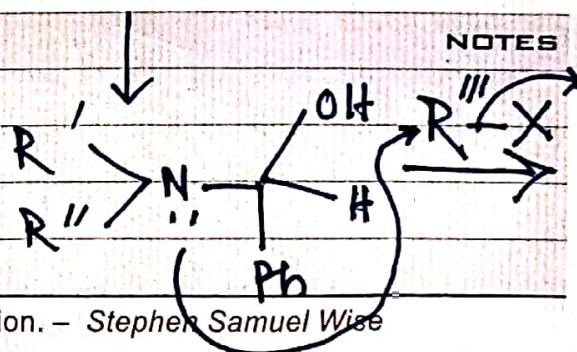
(ii) Through generation of Schiff base:



Starting with a secondary amine, this method may be easily extended to synthesize 3° amines.



NOTES



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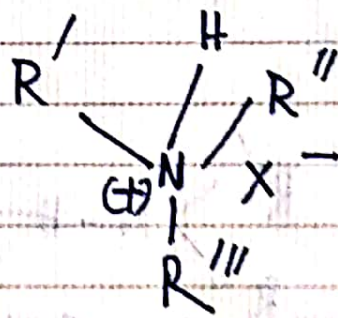
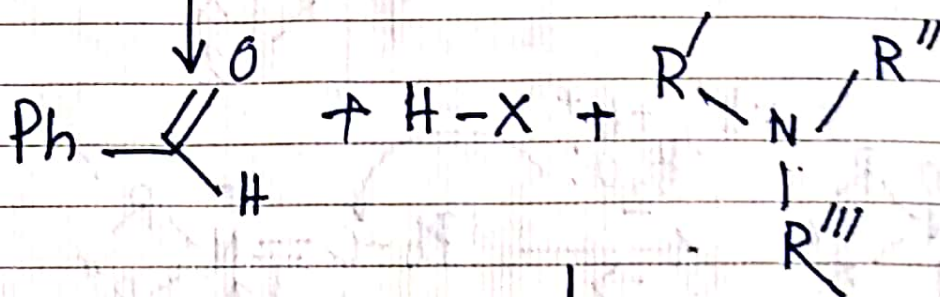
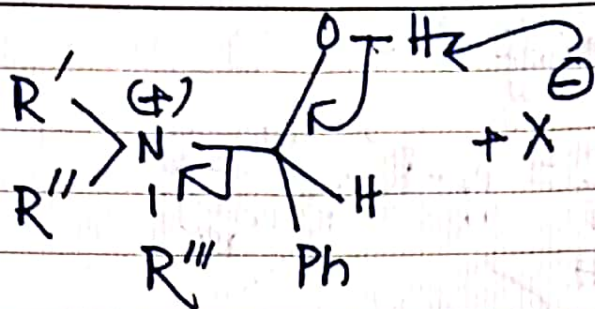
Thursday

Feb 2020

Week-8 (051-315)

February

S M T W T F S							S M T W T F S						
							1	2	3	4	5	6	7
9	10	11	12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	.	.	.	.	.	.	.



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