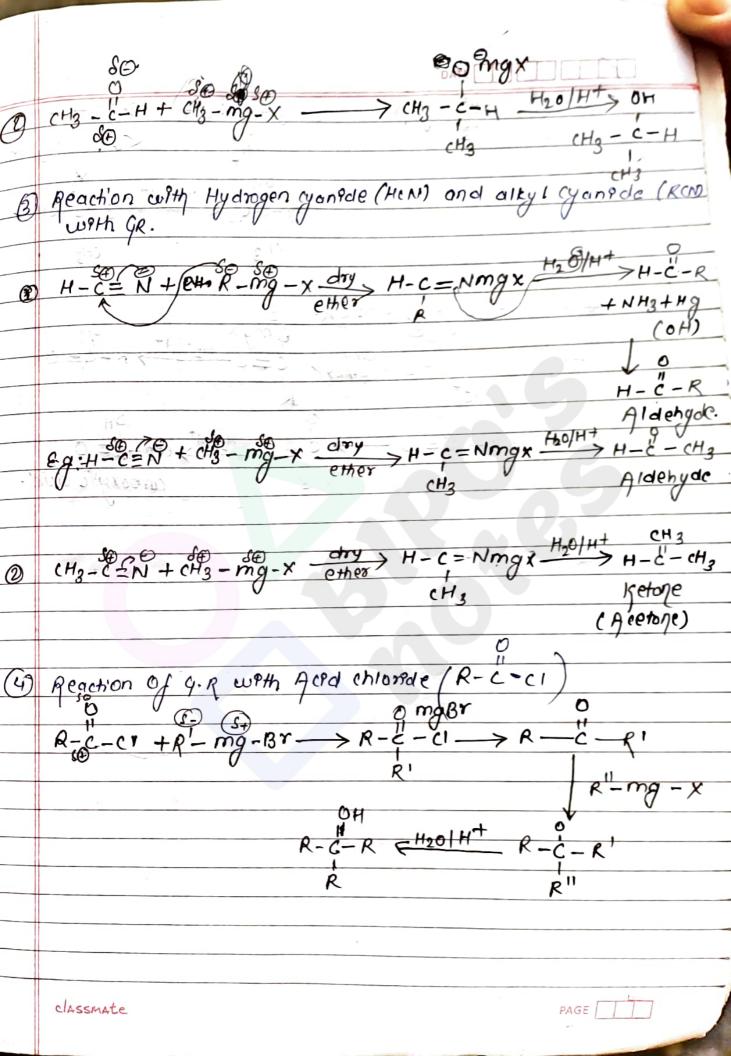
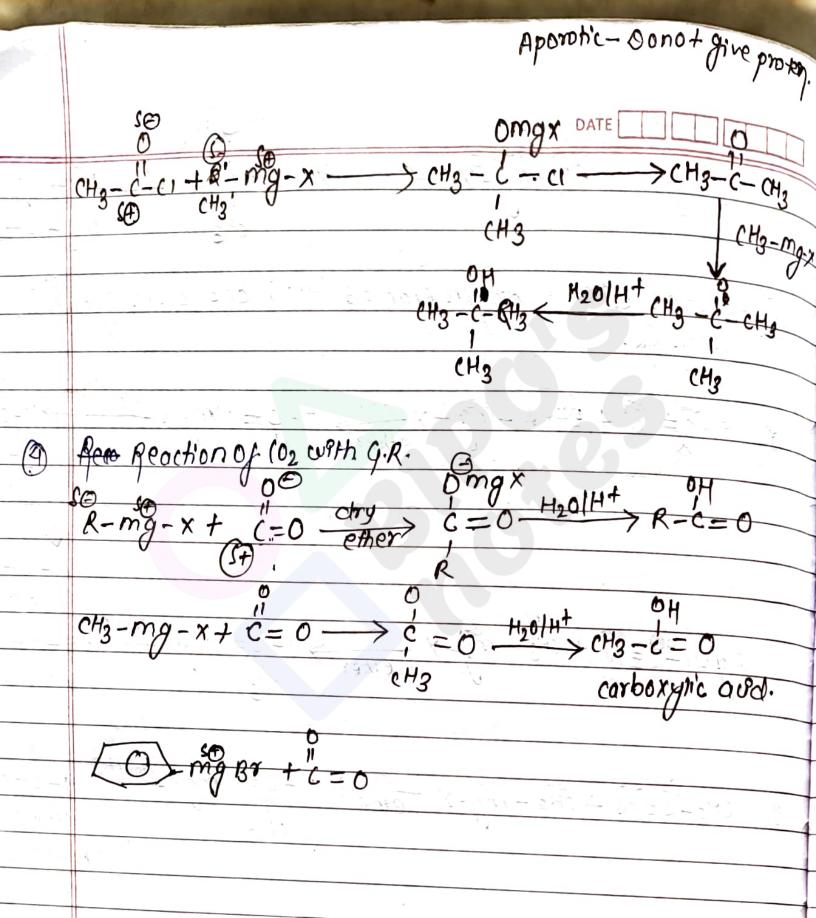
The state of the s	Date: - 2078/11/18.
	DATE DATE
	Assessment aller Compared.
	Organometallec Compound,
	(caimaids, Na) etc Ps bonded the organic molecule Ps called
	Omerome Artlice Opposited
	Organometallic Compound. The study of compound containing metal and
	combon bond and their reaction is called Organometallic
•	
	Chemistry.
	107 60:- (0mpoured; ()mp 1950; ((m) 72 21-6 Alac
	foreg:- Compound: (, Hr MgBr, (c, Hr)2 ZnBr (H2) Organometalli'(: Mg-C. Zn-C Al-c bond
	DUN O
	Dava market 100 (alunday)
	Dato: 2078 11 22. (Sunday) Organo metellic compound represented with
1 2	malacular temporal Pho Among (Paro) Among (Oppor /P 11)
	molecular formula IPhe organo (R&P), organo copper (Row)
	Organo endium (Rocd)
ž,	Description of the second of t
*	Preparation of Organometallisc compound. When alkylholides are treated with metal iske (29,20)
	on the design and the steam of the model of
	In the presence of dispersion are produce.
(*)	In the presence of dayether alty) metals are produce. $eg: -R - x + 2 \times 9 \xrightarrow{ether} false xithium)$
,	Calty 1 Lithium)
+ 6	eH3-CI+2 &8 dry cH3- &8+28CI when Mothyl dithlum.
,	Methyl althium.
7	
(97)	&CH3-(1+2n - ether > (CH3)2 2n +2ncl2.
*	The bond between metal and carbon atom 9s highly coval
(1)	the bond between metal and carbon atom is nightly (eva)
	ent,
(2)	Organometallic compounds have low melting point.
	V V
	dassmate PAGE

1	DATE DATE
(A)	Grand reagent -> When halo alkane react with magnesium to
	give organo - magnerium Hallde is called Orignard Reagent.
	Pigin R-X+mg TR-Mg-X
	Organomelallic Holide.
	Organomagnerium
->	Drethyl ether or dry ether is usually used a solvent during the
	preparation of congnard geagent.
7	Grignard Reagent act as reducing agent which es hydridden
	as rather than is a carbon Nucleophile.
(*)	Proparation of grignard Reagent.
(2)	From haloalbane: Altyl halides react with magnesium in the pre
	sence of dry ether to give alkyl magnesium Kalide called going
	nand Reagent.
	R-x+mg->R-mg-x where x= (mg, c1,Br)
	eg: - CH3 - C1 +mg -> CH3 -mg-C1
	methyl magnerium chlorine.
->	In the place of x jurine cannot be used because the bond
	bet fluorine and alout group is strong pluorine is less-reactive
1	to give grandia keggeris
5.0	> pure and dry ether is used during the preparation of grignand
5	reagent because 9+ avoid the formation of impunities 18th 1420
40.51	and to 2 which react with grignard reagent.
1	+ repose a press that the second of
0	From halogrenes:-
	THE . C
	$+mg \xrightarrow{m} > 0$
	pheny I magnesum chloricle
	THE THE
	$\left(0\right)+mg\xrightarrow{1/1}\left(0\right)$
	phenyl magnerium brommo
	classmate

3	
A second	DATE
8	() +mg -> NO RXO
	Halogrenes react with magnetium in the presence of
	tetro hydro furan to give magnerium halide.
	Terra rigarozaran
	Precoutions:-
(1)	89-other other (corrector) are non-acide (Aprofic) and and
1 2 2	rous (water free solvent) so 9t 9s used for the preparation of
	an'y navd reagent.
(d)	1 12+ shoulde be tree from moisture
(ક)	es by hydrolyses to give consoxy/ic acid.
	es by hydrolystes to give conforythe acid.
	The v. V
	Reaction of Cyrogrand Reagent (G.R) With water: GR react with water to give alkane lbecause
	Carpan atom as all of moor alocation to give allarie locause
	carbon ato m of 9R 91 more electro negative than mg) . So Pt rea
	ct with proton donar like water, alcohol etc.
	eg = CHg-mg - CI+ HOHO -> CHY+mg (OH) CI.
- V. V. V. Im	12
(2)	Preparation of 10-alcohol and 20 alcohol from grignard
	Reggent:
	preparation of primary alcohol, & secondary
	alcoholaz and tertiary alcohol from grignard reagent de
	gren below:-
	SA SA HOOLH T
	$H-C-H + R-mg-X \longrightarrow H-C-H \longrightarrow H-C-H$ $\stackrel{\leftarrow}{\text{SP}}$
	White the state of
	classnate PAGE

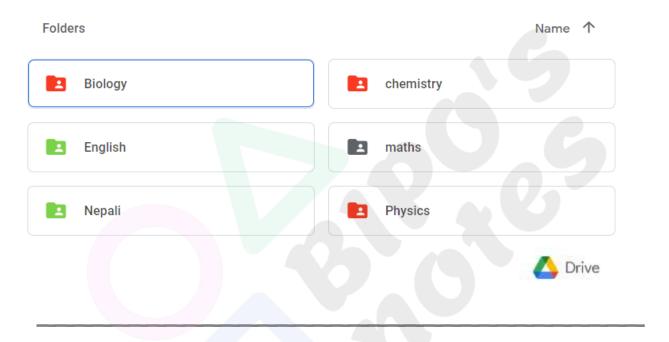




Bipin Khatri

(Bipo)

Class 12 complete notes and paper collection.



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