



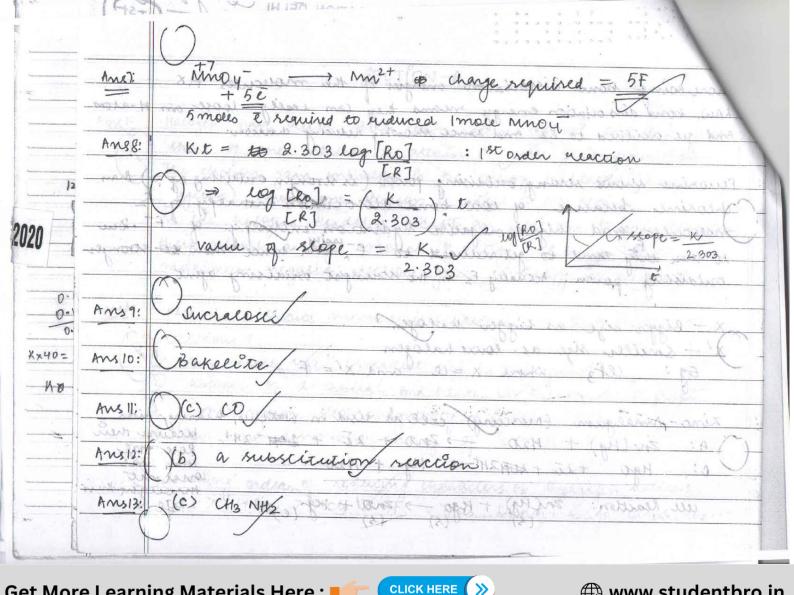
SECTION-A Halogens have outer shell configuration ns2 mp and it is just short of one electron to attain a noble gas configuration The election gain entrally is the energy villaged Xx40= (smallest size in the NO maximum electronegativity in periodic

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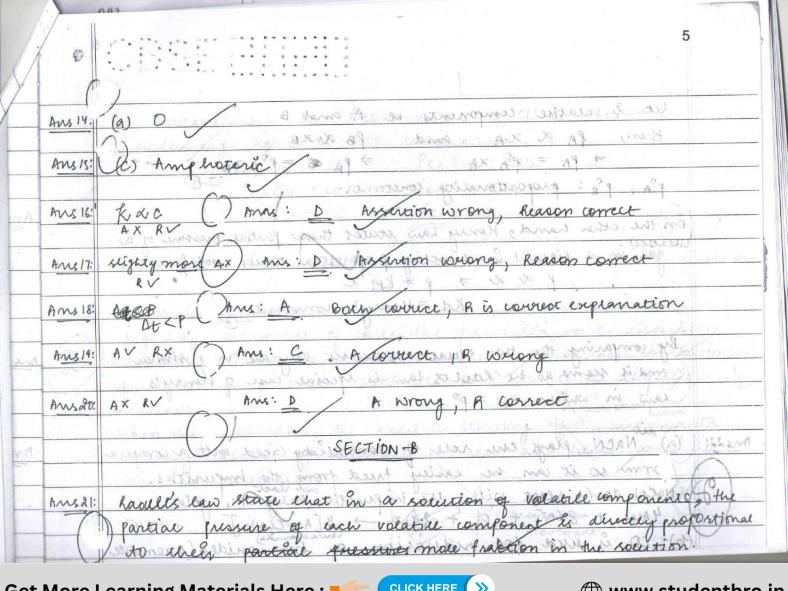
increasing bond dissociation inergies of the mouries HX how bond dissociation energy means they can easily loose and yet oxidised to x2 and hence showing reducing dispaces. ANZE fluorine shows surong oxidising power (is stronger oxidising agent) than splorine because of low bond also water inmagy of to to these they tend to get reduced to F and hence show to stronger ordising power. Actually F2 is the strongest oridising agent X - Bigger size as bigger haloger - smeller size as lower hatogen

Eg: Clf3 where x = ce and x'= F (mercury cell is used in Ketental unitant all Reaction: zn(ty) + tego -> zno + teg (e) + M on age (1) through their **CLICK HERE**

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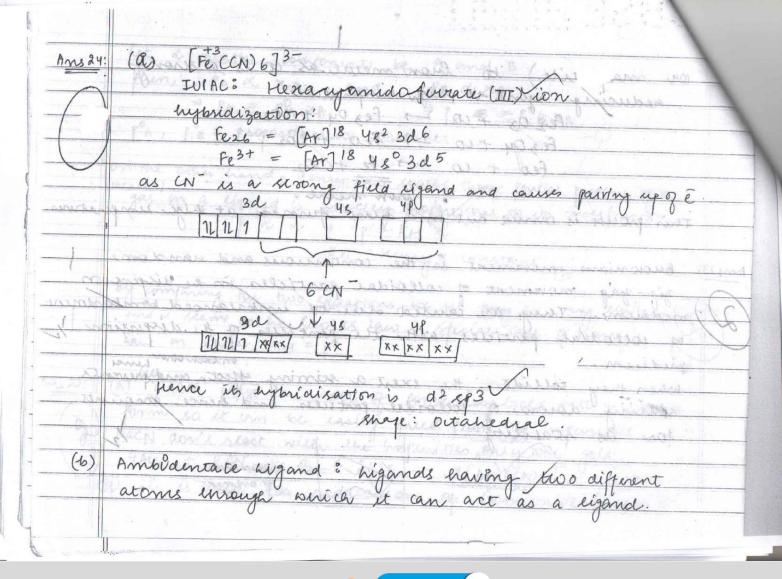


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Let 2 volatile components be A and B then, fax xa and fbxxB = PB = PB NB proportionality constants. : D Assertion Coverna Region on the other hand, Kenry Law states them partial pressure of a (volatile). gas in a eignid & directly professional to its more fraction. Mille Mary's constant By comparing the two equations, we see they are very similar and it seems as he Rapets law is special case of Henry's haw in whice ky 7 po works 4 (a) MacN plays the role of converling Gold into a complex form so it iam be easily freed from the impurities Nach don't slact with the impunities only with gold 4Au + 8 CN + O2 + 3 1120 -> 4 [Au CCN) 2] + 40H (6) W is used for reduction of iron onides (haemetile



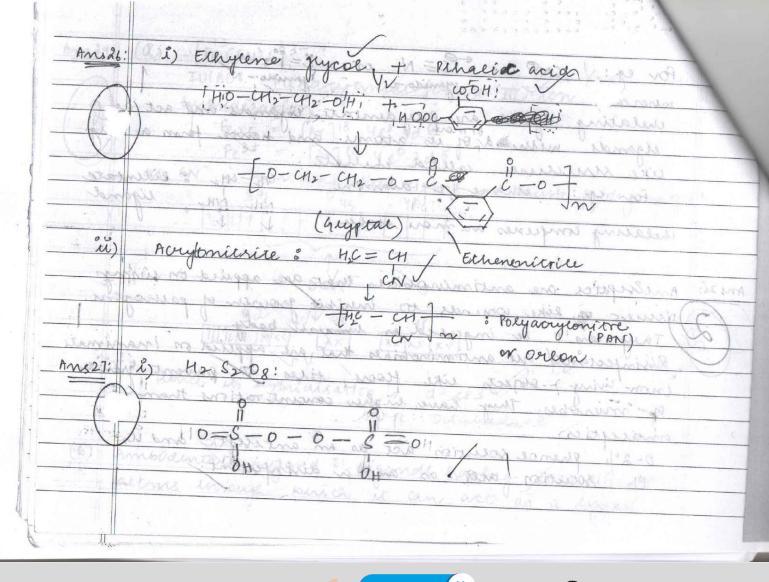
or magnetite) to luon metal as co is a strong reducing agent at high remperatures SAIN Fez 03 + 00 -> Fez 04 + coz Fezoy to - Feo troop and forma feo + co - + fe + co, of the forting anies togo brooks broken metal. In the Mil Sudentes This prouse is carried out in a beast furnace at high remperatures. Aus 23: Buowniam movement is the continuous and random gig-zag movement of colloidal particles in the dispersion medium. They are caused due to unbalanced bombardment of collodial particles with the particles of the dispersion when they collide, the exert a stirring effect, and prevents settling down of colloidal particles and hence accounts for is stability as an anterestic and I and washing propertient camo art as a liganol. **CLICK HERE** Get More Learning Materials Here:





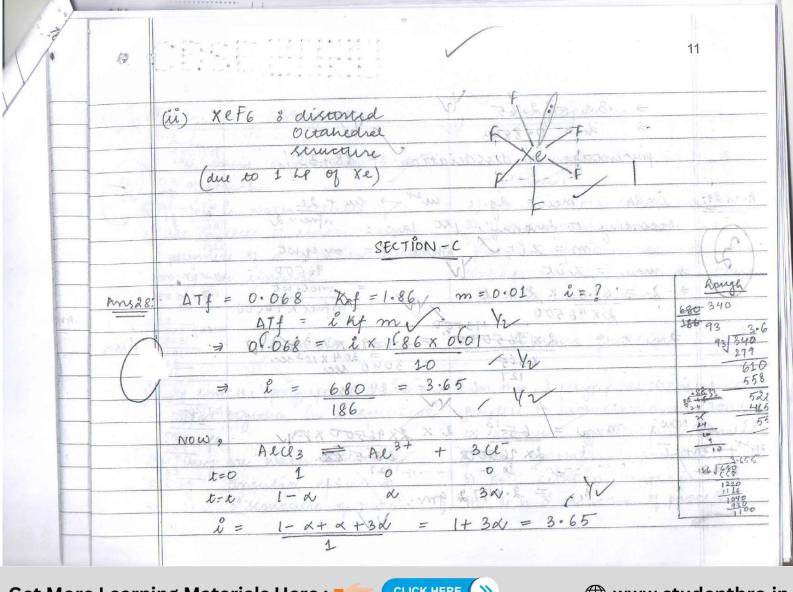
somereas, agamido-a gamido- N chelating isgand are poly dentate ligands and act as elgends with a do of its atoms and hence form a range like structure called chillete for eq: ethane-12- acamone CH2-442 & Ridentate chelacing compresses are more state NH2 NH2 ligand ACCUMENTANCE : 100 OH OF ECONOMICATION . Ans 28: Antiseptics are antiminobials that are applied on eving ifssues of like wounds to invibit growin of parnogens. They can't be ingested in human bady. Disinfectants are antiminopials that are applied on Inanimale (non-living) objects like floors, tiles to prevent growth of microbes. They have eigher concentrations than anticeptics. 0.20% phenol polition act as an antiseptic and its 1% solution acts as are a disinfectant.



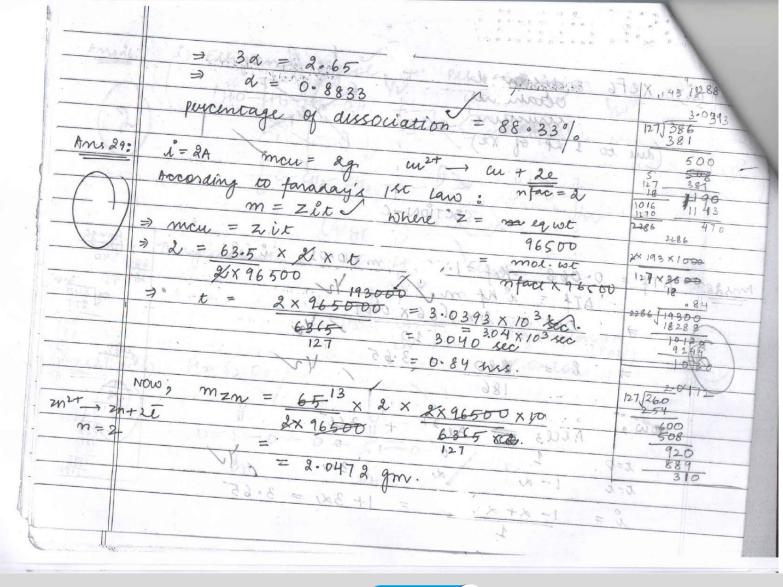




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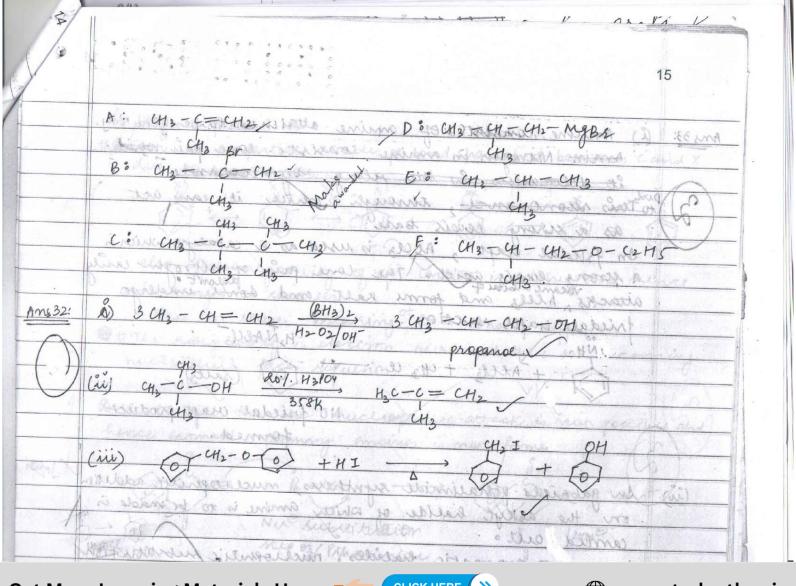
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Nucleotide Nucleoside pairs are attached with d) It polymerises to form polyand then form joeynucleorides. 413-1-41, -MgBrether 413-41-415-Br alco 413-6=412-



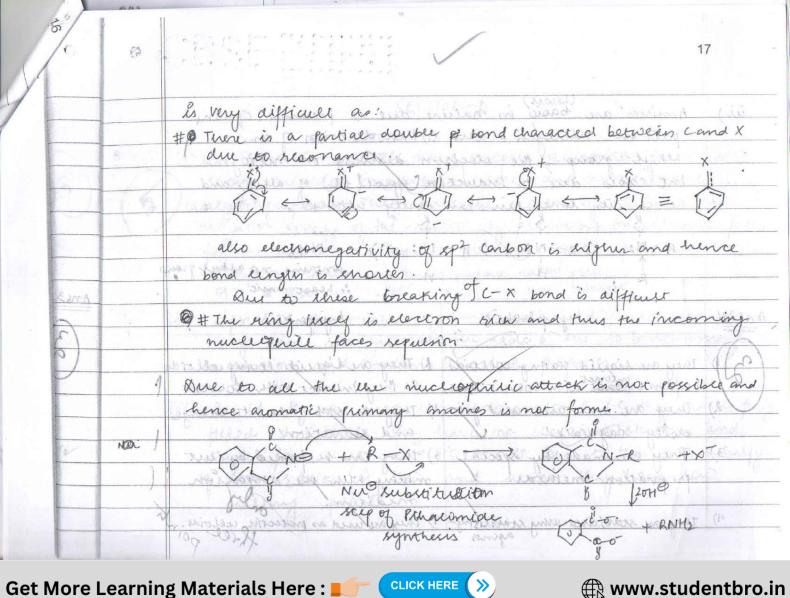






(i) Anicine consists of amine attalched to bengene ring. Amin Moragen in amine consists come pair which to tous reconomance, through Johnice , Acces is used as a catalyst which is attacks hells and forms riedge ways reaction. HOLO HH, NACCES In gabriels phhalimide syntheses, nuclioperielic addetion In case of anomatic halides, nucleophilic,









Amines are basic in making due to presence and to innoduction of an increases due to inductive (effect (+I) of alkyle and hence its lone pain can easily attack C-X Sported to MI Ha hyophobic They are signed hating colloids (1) They are liquid loving colloids i.e. don't mieract with soevent much as they interact with soevent

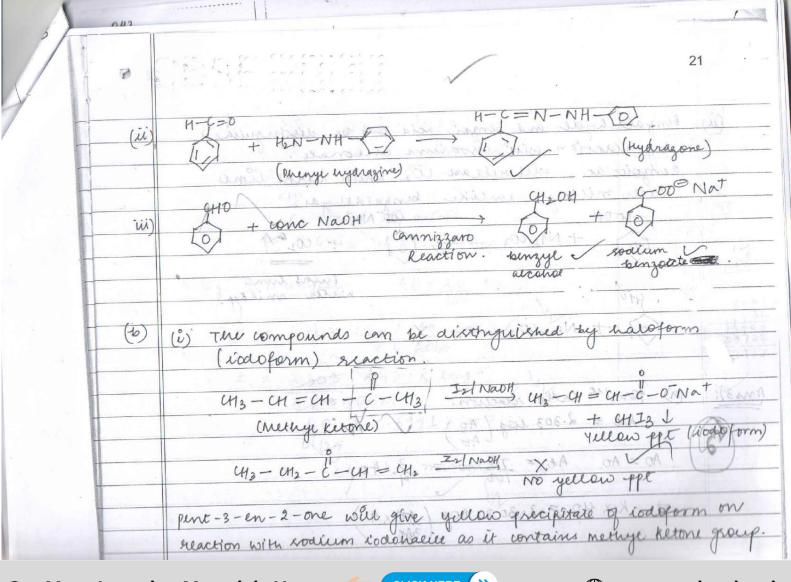


(6) (i) Nazurou is converted to Noites and december (i) (4) to deep seaching it in son activic modelling like in Ams 35: (a) (i) Transition metals have imply doubitals and can show variable oxidation state and hence shows catalytic properties. They have the capability to lover the activation image of the reaction by providing an allemate path for the reaction of They also provide large surpace area adsorption during neterogeneous caralysis. @ 2502 +0, V205, 2503 1205: Catalyst (ii) segonation of a mixture of, hanthanolds is difficult because they have similar atomic radiis are to lanthamood contraction and similar chemical properties. (iii) In, cd, teg are note-transition meltals i.e they have fully filled d-orbitals. They have no impaired elections and hence form weak metallic bonds. Due to this the enthalpy of atomis atton is low and hence they have tow welting point



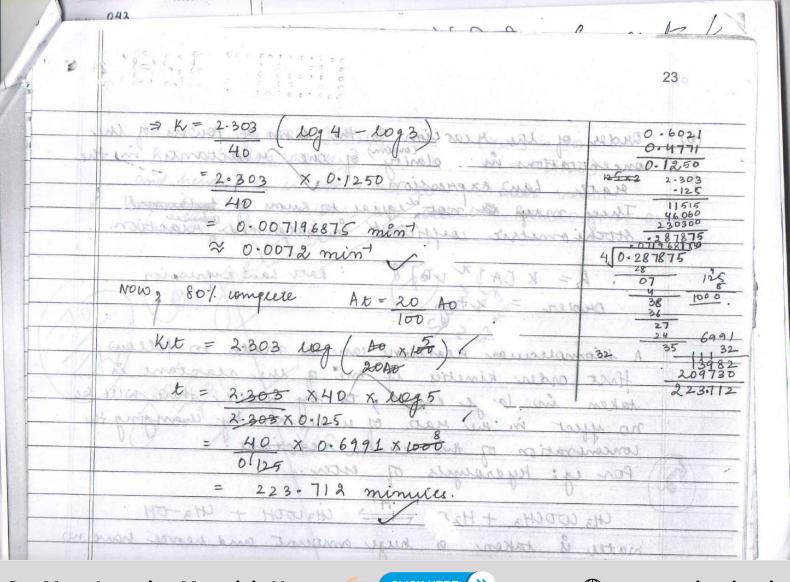
Nazlroy is connected to Codlum dichromate Nacles 07 by peacing it in an acidic medium like in 2 Naz croy to AHT - > Naz crzo z + ANAT + H20 Potassium monganate is prepared by pyrulosite ore (mmg by fusing it with KOH followed with by with 2 mnoz + 4KOH toz - 2Kz mnog + 2H20 · CHOCHD aid NAOH OHC-CH2-CH3-OH + CH3CHO ALOLO condensation Reaction. (x-p impatinated froduct,







Benzaldehyde and benzoic acid can be distinguished by reaction with rodium carbonale. COOH for 1st order reaction: AO = AO At = 75 AO = 3 AO - (N) - (N) 1000 = 100 KX 40 = 2.30 30 log (A0 x 40) 0 00 5 - 100 5 - 3009 hearton with souther reacostein as it contains neture beton grow.





Order of the reaction is the sum of powers of the concentrations in molarity of the reactants in the erate haw expression ? They may be not requal to sum of tralametal stocki ometric coefficients in paranced marcion. R= K [A] 2 [B] y Rate haw engression order = xty as - aA example 108 - CHOM A biomolecular deaction can be made to follow first order kinetics if one of the reactant is taken in large except of by which there will be no yest in the nate of neaction by wanging the conceneration of the excess reactant. 43 WOCH3 + H201 W3 WOH + 413-0H water is taken is muge amount and hence have no effect on rate of reaction.



