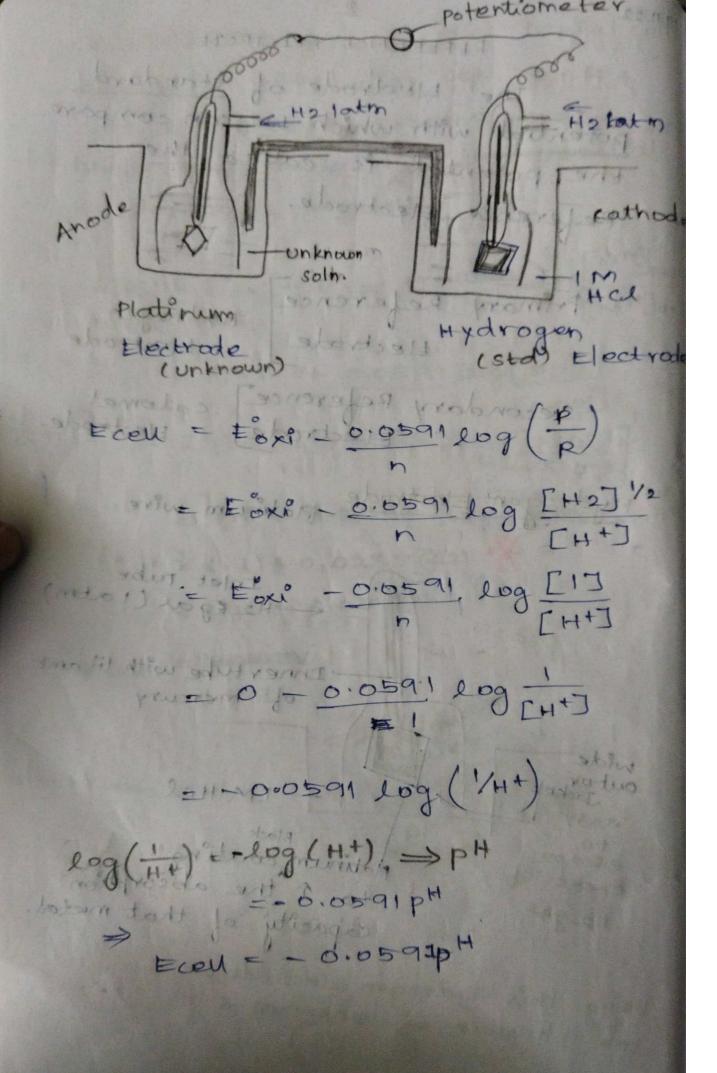
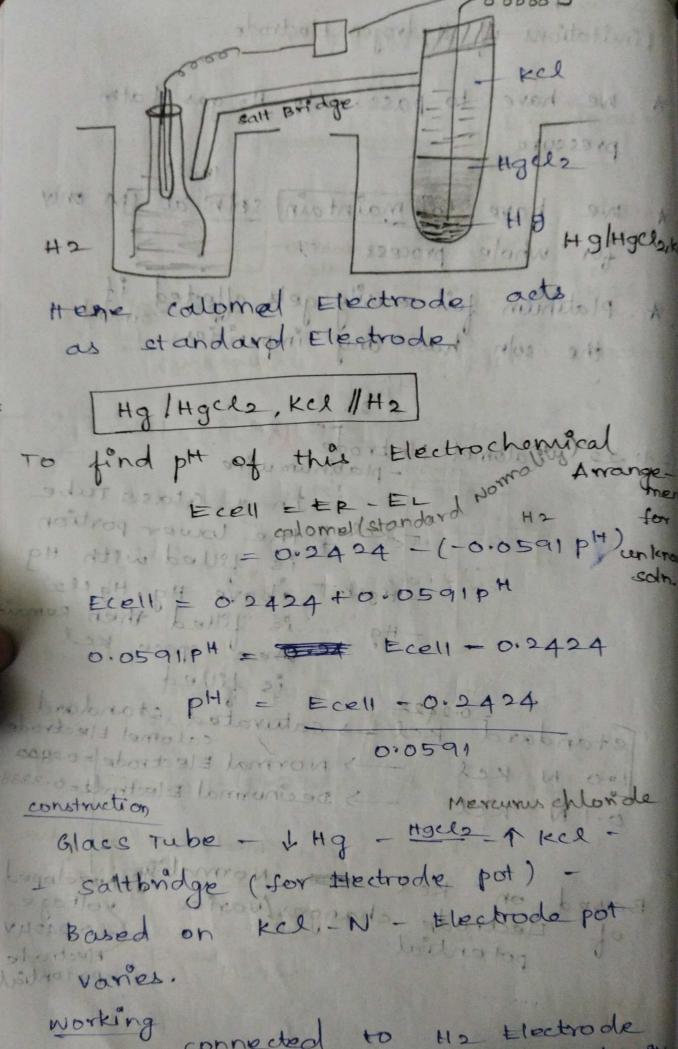
191122 PEFERENCE ELECTPODE The Electrode of standard potential with which we can compare the potential is called the Reference Electrode. Primary Reference Hydrogen Hectrode Hectrode specondary reference calomel Electrode. Hydrogen Electrode patinum wire = (H2 Egas (latm) - Inner tube with 111 amt wide eary platinum coating escope 11 to 1 the absorption excessib capacity of that metal. H2 gas using this Hydrogen Electrode we can find the phyolice of unknown soln.



Limitations of Hydrogen Electrode \* we have to pass only. He gas latm prescure have to maintain soln at IM only for whole process \* platinum foil easily gets affected if corroded the soln has any impurities calomel Electrode - platinum wire In a Glass Tube the lower portion is felled with Ha Hyde above Hy, Hyde remain Free space KC -0.2422 11 is filled standard Kel -> saturated standard calomel Electro -> Normal Electrode = 0.2800 > Decinormal Electrole=0.3338 kel Normality sovel trode changes Ivaries valt Electropotential Value



working connected to H2 Electrode connected with saltibuidge, coupled with potentioneter to find Electrophe potent

and pt of unknown soln Advantages \* simple construction \* Enthrely closed one. 23.11.22 Glass Electrode ( as Glass Electrode Also known Internal Reference Eledrodo Ions selective electrode Ag wire 1M HCl Ca0 -6! Ht ions in Hel # and This glassis maded Nazo in glass reacts G-Na+H+ -> G-N++Nawillulas bittery barrioto A Ag. Agcle, Hel 11 Glas Eglass electrode = Ege 70.05.91 log [H+] EG = EG \$0.0591 pH = - log [HT]

