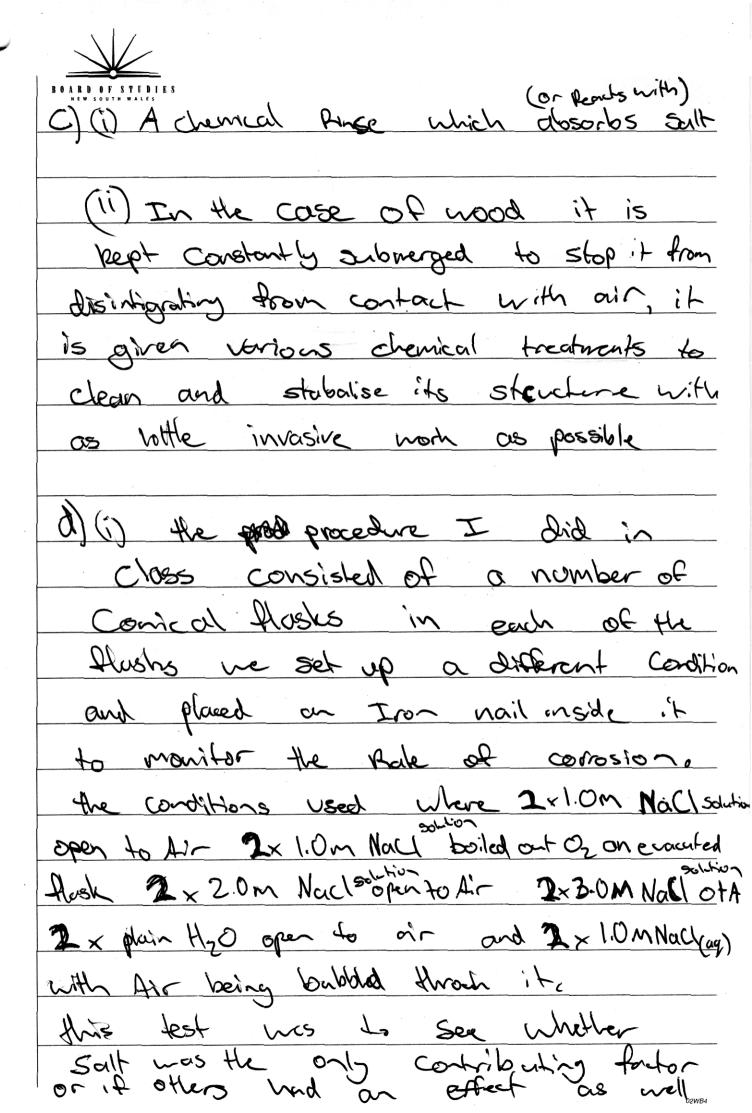
D29 a) (i) Calvaronic Cell oxid Fe2+12e= == Fe(s) -0.44 v × no use Red Cu2+2e = Cu(s) (0.52 v+ i Fe(s) == Fe2+2e-1 0.44 V Fe(5)+(12+7e->(6)+Fe+2e) 0.96V b) because they sat and worked on these experiments for months to work out what was happoing it meant that our scientists today already had a foundation to work from and already know the bosies of electron transfer reactions so there have it is leasiful easier to discover new things about



(ii) over the short period of time in which our experiment took place we voliced that the fresh nater open to Ar and the salt water open to Air had very similar values of corosion whilst the ones with Air being burbhled reached foster the exocuated one didnit corrobe at all , and the flash with higher concentration of Mac Reacted fuster than 1.0m open to Air but slover than 1.0m with Air being bubbled through 50 in Conclusion our experiment did support that the consentration of acid does contribute but other conditions also vary the hale al comosion.

e) the effects of Corrosion can be affected by the depth of the ocean in many different ways through experiments that me did in class we bearned that fuctors such as temperature, pressure, concentration of NaCl, turbitity and Oxygen levels are all migg Contributing fauto so. The structure of the pottom con also affect Rate of corrosion for example on a Sandy bottom the soud is constally fighing at the surface exposing new surfaces to be corroded. The temperate speeds or slows the reaction to an extent in cold water the rection is some son deep water is apart likely to be colder than shallow Oxygen levels can be affected by the turboidity of the water ery it a wowe is breaking on a wrech it gets a higher concentration of Oxygenth to a whech on the bottom

