BOARD OF STUDIES Section II 629 a. I main metal used in the construction of ships N Steel. 11). Aluminium can be used in nese condition because it dues not corrode as fast, which allows it to be exposed to oxichary (adition), Aluminium is wanting to accept clearons not give themanay. b. Magnesium is used as a sacraficiai anocle ") sacrafical modes are used because when metals on the hulls at soach boats and exposed to salty, low temperatue condition, non instead at the metal beingreduced, the anode gives at dectron and also accepts then this mables the approved. Re rocles Ship to be Jacors

OF STEDLES

c) The uses of Otel is to be used on boats, in saline condution, in Cars, LOOKING stensils if Am loss steel, steel is used to many places ad corrocles at defenant rate. By adding other elements to man the property increased. Repending The dever being added. re strangth at 1 ron rould Increase Proprities for use at iron Will ten increase. (Ron is also moner metal not ca be used a different places and 16 PARA COULD be praparici and supstancial if an element for aproving iron is added. Rammber the an right element must be added or the ron may a vesult in accepting electrons and the iron senon Starts to corrodo.

OARD OF STUDIES di. corrosion, is process that telles place where he reduction in metal takes place taken place under specific condition. 11) le procedure in comparing corrosion rate of metal ster 1. place Apreces al & meter into 12 bearcers (1 perpeaker). STEP 2. Place the metals (stain le less steel, steel tooth, won, into d. Arend conditions) Step 3. Phone Condition include Oxygen, tope werter, dushilled wate, Salt weiter. step 4 place no metals in a place easily accessible, but out al the reach el oner people, STEPS. Observe to changer nat take place in the metal over specified time period (Iweek-4weeks)

BOARD OF STUDIES

111) accuracy could be improved by making our not no motals are dean before placed in the becales test topes bearcers. (free af rust) This will improve bothe the accuracy and relicebil, by al the corrosion malle sure read metals are not pouched moved his may effect the rade. Also the to make sure that when placing them into no sait solution Mah it is the same solution (concentra, ased for all mometal Also malle sure nex to the temperature is performed / stays the same for all netal). These are all movements net will improve ne accuracy reliability of he metals,



e). To clean avtefacts the recovered from shipsweek, My must be specifically presserved with sufficient oxygen (or lack of oxyger, in most cases). When recovered re motal iron recovered from ne bottomat ne ocean, it is very fragile and needs to be Kept in nat condition. Hendling of he object must be taken with extreme care. Re artifacts need to be moved from no Salinity environment, into were ma reir is no oxygen or temperatue IS low into an environment Mart is higher in remperature. Placing a netal provide into in electrolytic cell, rest enables it to accept electrons and regenerate, this many help in the depart pro placess, on extra coating over to



make sure metal (1791) is tested to determine the stability, MAAM what metals may be contributing to it's decay. As mony metals found in the bottom at the ocean diamon ane not pro. for example (Titanics hull way not a promotal, reason why it brock so easily when it collided with the reading ! no metal (iron) also can be presure waiked after the density is discovered and this will remove unwented materials tert mas Still be contributing to its Corrossion. If he densituis 100 low must be left aloo. Resc Ster and performed to I'm hell metal should be preserved enough for preserving, and left so had ne meter is not at risk ofdeterioration or curroding. News to be stored in specific spearal and thight containors or broker 17. seen performed thought. demacs it at restoration