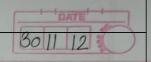


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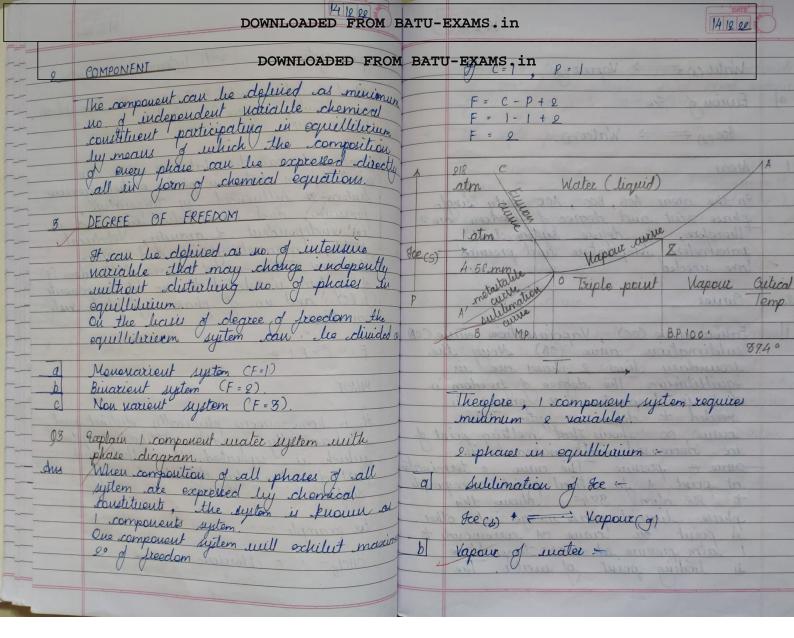


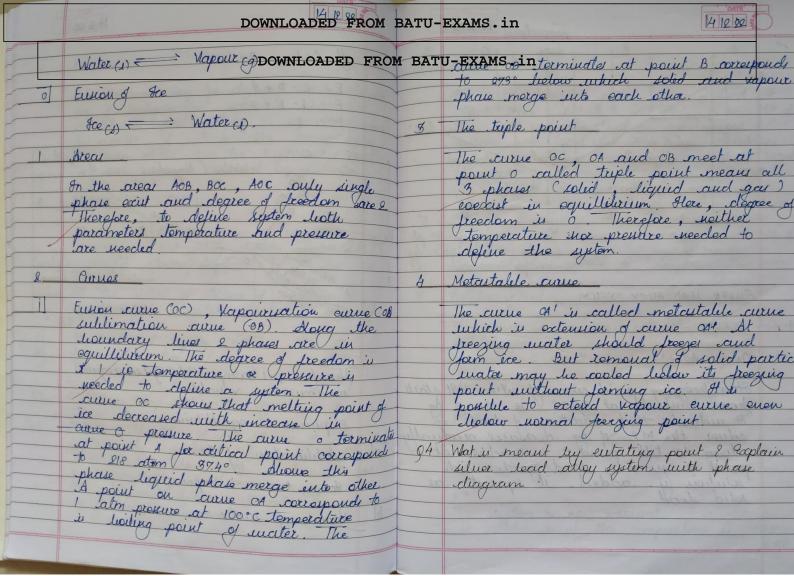
	Water
\(\)	Treatment
gl	MULTPLE CHOICE QUESTIONS
a	In Teolite process, the exchange of cation takes place
	Il Anion il Cation
	Cation and iv No eon sechan
Ы	Which of following ions is released from
15	Il Ca ^{2t} III Na ^t III H ^t
C	The exhausted cation exchange column is regenerated by passing a solution of
	Regenerated by passing a solution of
	iff Couc. HCI IV Dil HCI.
d	The exhausted amon exchange column i

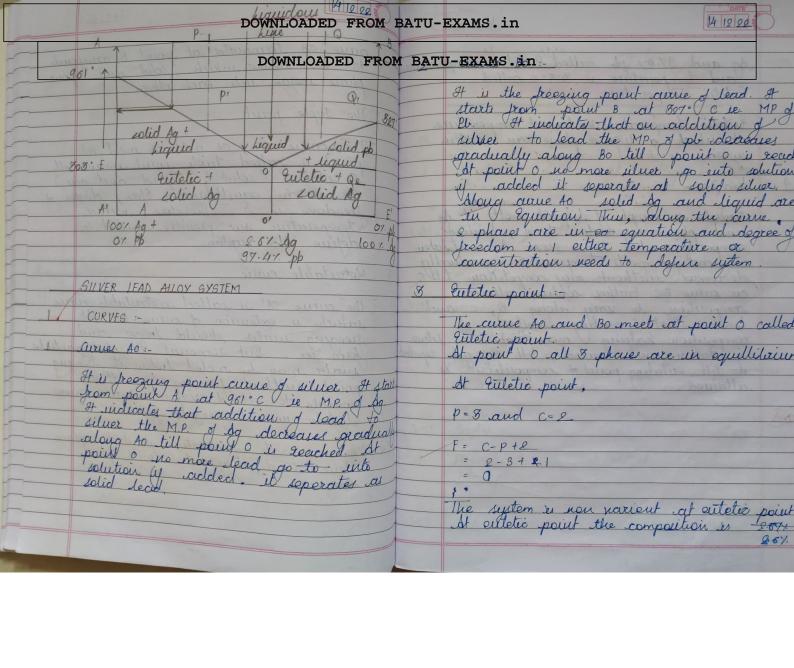
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	andrauge resin are plapownEOADED FROM	BATU-EXAMS, int eNach -> RI(OH), + 2Na HCC
	hase in column A column B.	
	The hardwales street in analysis and	T T Compain approximation that of DO This
	The cation exchange resin captures The cation exchange resin captures all metal ion (Ca ^{2†} , Mg ^{2†}) and releases on equivalent amount of H†	Aus i 02 present in mater sample oxidises
	all metal ion (Cat, 199) and	inclined ion to rodine quantitatively is The amount of rodine method titrated
_	release on equinities	in thou determined by titration
5	The star - How offers in column B	with sedium throughphate solution
	where amon exchange rein are	(Na, S, Og)
	all OH ions and -ne ions of mater	
-	placed that that exchange resin are placed that that exchange o all OH- ions and -ne ions of mater (CI) - (504)2-	iii The on endpoint of titration is observed by using starch as an indicator.
	anion and cation of hardness	
	OCHILANA SCILLI	IV Then the amount of oxygen can be calculated.
	Water by this posses only H+, and OH- ious. Therefore, it is known as demineralised or deionised mater.	and the state of t
_	demineralised or deionised mater.	$T_2 + I \longrightarrow T_3$
34 13	REGENERATION OF EXHAUSTED RESING	Ig + 98,0g -> 8I - + S406
-	or an bottom is for any the hours	8 Write note on BOD.
- 1	Cation exchange resin	Au Box is amount of discolved occurren
- 1	R'Ca + 2HCl -> & R'H2 + CaCl2	required for hindromical accomposite
	R'Mg + 2Hcl R'H2 + MgCl2	Condition at 20°C and for a period
	And Trigely	condition at 20°C and for a period of 5 days The unit of Bot is mg per litre or ppm
	Arrion exchange region	mg per une a ppma
	R'Cle + e Nach -> R'COH) + 2 Nach	organic + Do deralic + Cos + H20
	2 1 2 Nac	elicite leacteria

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9 - Am 1 - 9	What are the factors dipownto ADED JEROM level in made! Temperature: Water cannot shold Temperature: Water cannot shold at higher temperature. Therefore, the natural ability of water to hold dividual origins decreases in summe Flow: Bry season affects the flow of origins decreased the furnished original of origins decreased the furnished original sucreased water temperatures. The result in reduced clinelized congent levels. Precipitation (rainfall) wereased the flow thereby by miscure of almospheres prygon with mater also increased. Salurity of Water: The solubility of gaver in water also increased. Salurity of Water: The solubility of gaver in water also increased. In advantaged concentration is found to be less low low in saluration of water. Water Turbulouse: Turbulouse or agitation causes the to be water within increased.	BATU-EXAMS. in BATU-EXAMS. in Outgood water to form sugar and oxyger (photosyntheni) Oxygen realetes in Logicalian process directly into sead which results in increased to level of water 6 Natine animals: Aquatic animals organisms coupunes disclosed arguent in respiration process in repration in respiration process which reduces the Do level in mater 7 Organic Natter: Airolned oxygen decomp of organic water organic waste comes into mater organic waste comes into mater organic waste plants, dead any animals semany reganic matter, seed or decomposition oxygen during decomposition oxygen during decomposition oxygen during decomposition
5	12.1.1.	Musing as the field system



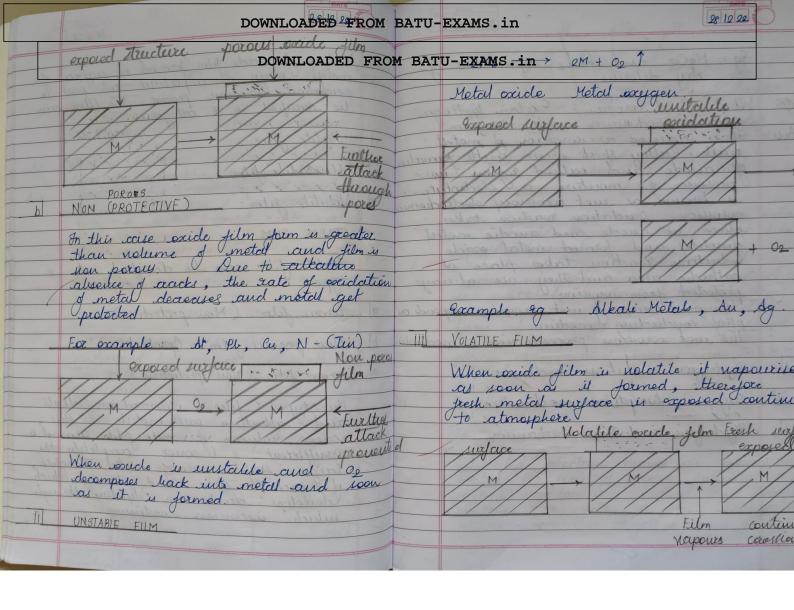


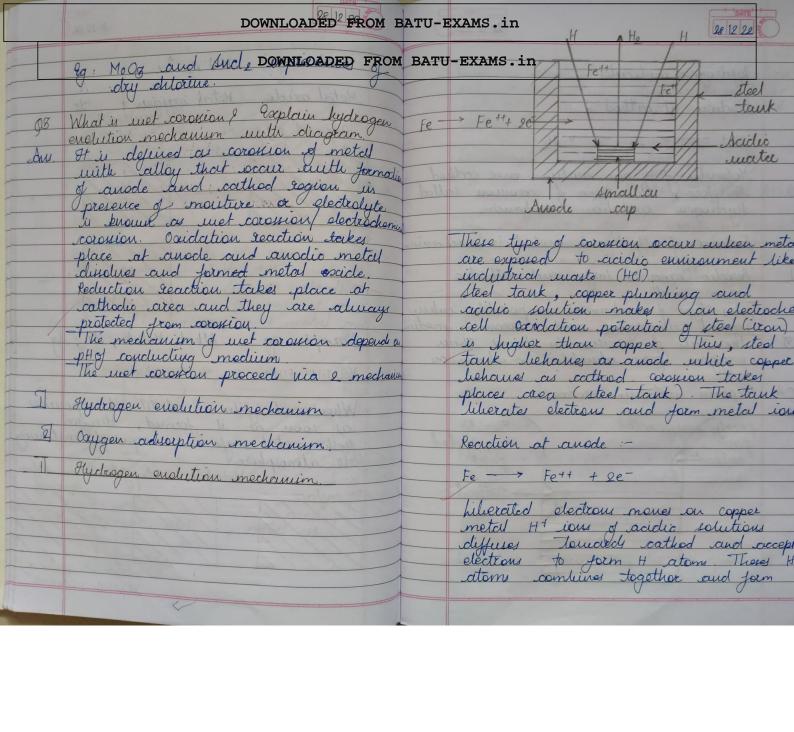


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Ag and 97.4-1. pl	called White Ted PROM	BATU	-EXAMS.in
Tutetic emperature	Author and along	100	HITOPIAN T
at which a light	re is lowest temperature wid phase can exist in	91_	MULTIPLE CHOICE QUESTIONS
4 drea AOB :-	d liquid molty of A.	No	Which type of chemical reaction is cluerued at cathod in electrochemical caession? Oxidation reaction by Redox reaction
and ph correspondence	of liquid melts of a such to a, having than 2.5% Ag is I take Temperature gradually	9	Reduction reaction d None of these.
on curue BC. Eurth	her cooling collows	2	The mechanism of such corpsion depends on
lead start separ	lary along Q, o and rating similarly if	e	Pouvation d'All of These
attained.	cooled, till Rg get und	ed 3	I corossius medium is then corossion occurs with evolution of hydrogen gas at called.
180	Les buo 8-4	a	Basic b Neutral Acidia d Nou conducting
	1 y + n + i	4	The direct chemical attack of metal by almosphoric gases
The state of the s	Allow others to	d	Dry corpseion b Chemical coosseois Both a and b. d None of these.
			Timber of the second

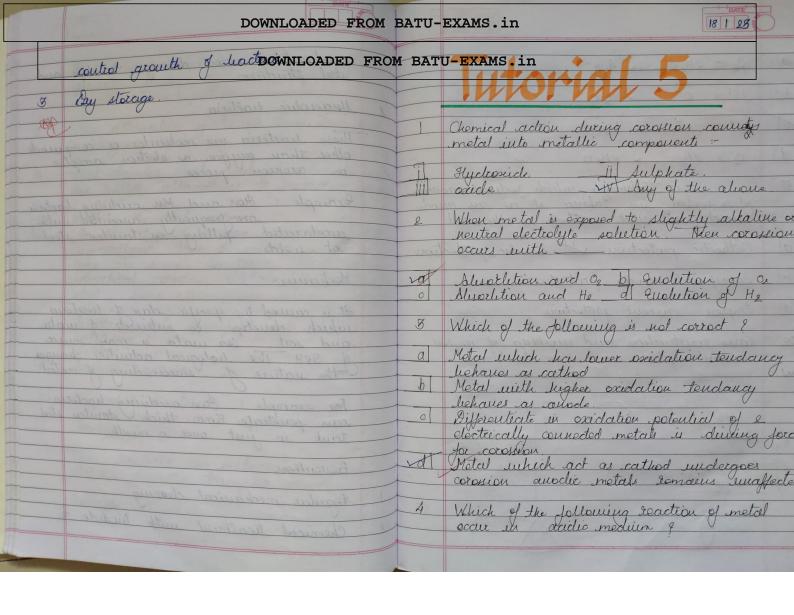
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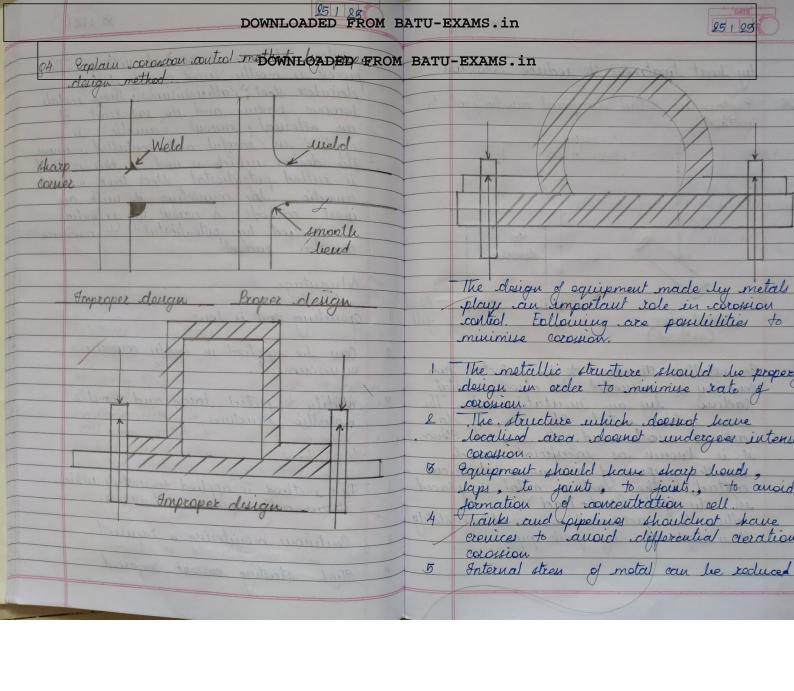


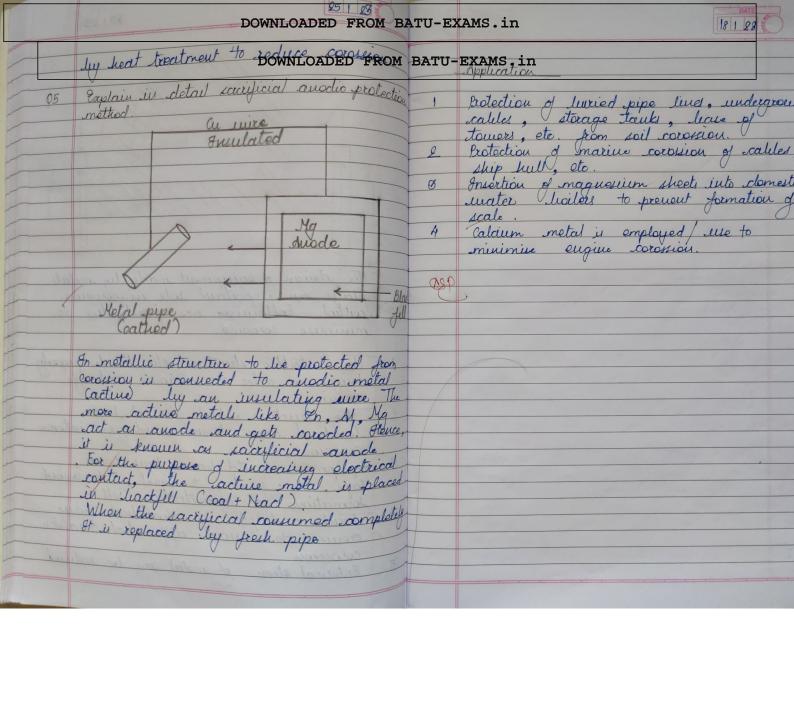


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	It can be suicided by a pownigo a DELO EROM pounder coating on metal placed in	BAT	"U-EXAMS: In corossion damage to ships and steel structure.
2	Use attanative materials that are not undergoes oxidation as steel.	2	Marine Marine
Ø	- steet stainles steel and alluminium metals are hetler alternatives to minimise coorsien		These hacteria use molecules or companie other than sough as electron acceptar in corossion process.
05 Su	Explain Microlial coronion metal is reflected by certain types of microorganism.		Example: Iron and Mn exidising hacters are frequently associated with accelerated pitting on stander steel at weld.
30	There are some hacteria that eause microlial corosion carbon isteel, stainles steel, some alluminium alloy, copper		Mechanism_
	alloy is aquous medium these laderia are classified into e		It is caused by specific day of leactered subject develops on nutrients of mater and soil. Sea mater is main source
7	Deroluic hacteria		The nature of surrounding of metal.
	Mucaeroliis liciteria		For example: Itou oxidising hacteria can penetrate 5mm thick stainless steel tank in just oner a mouth.
	electron acceptor transport proces	-	Proneution
*	Example Sulphate reclucing hacteria	2	Chemical treatment with bioxide



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a	Og + 9HgO , 40H DOWNLOADED FROM	BATU-EXAMS. in process a hattery or a rectifier
Ы	9H+ + 0- > H2O	An insolucible electrode (anode) sud
vo	9H+ + 2e- > H2O	steel, high silica ion, etc is place in blackfilm. The blackfilm is comp
d	9; + 2H2 > 2H20	Metallic structure is connected to ive
5	of a metal by taking it as an anode with an inext cathod in the cell.	anocle is connected to the terminal.
<u>a</u>	Cathodic protection so snoclic protection	When power supply suitched on metalle structure become cathodic and doesn't undergoes corosion.
	Sacrificial anode protection	Applicution
d	Impress current protection	1 This method is useful when metal is present in highly corosine soil or
92	aurout system	present in highly corosine soil or mater and current requirements are high.
Aus.	current system DC source	1 The method is suitched in protection of large metallic structures and long
ad	Earth Surface	term application.
Bla	de Gypsiem Guelatest	It is applicable in case of open mate hox coolers, mater tanks, huried, pipelines, marine pipelines, etc.
	wire	28 Explain anodic protection method
		unide here active positive belowers







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