Name: Yash Salang Subject: Engineering Chemistry 2 Roll no: 47 Div: DIAD Seat no: 4053339 Page no : 1/4 Signature: Sangrash

Jalangyah	Yash Sarlang 47/DIAD	4053339 Bno. 2/469
91.	D) Galvanizing	Linning
		1
	8) A process of covering iron or steel with a thin look of Line to prevent it from rusting.	A process of covering sted with a thin coat of fin to prevent it
	1	from corrosson.
4	since it is more electropositive than	I'm protects the base from motal from corresion die to its noble nature
	to pass into the outside solution.	and higher corrosion resistance.
	iii) In galvanized articles, Tine continues	In the coated arcticles, tin is
	for protect the indulying iron by galvanic cell action, even if the coating of zine is purioused or broken.	non toxile and hence protects the underlying iron till the coat is perfect.
		May break causes rapid corresion
1	for storing acrolic foodshifts	Tin costed containers and utensits can be used for food
	since Line reacts with food	storing, since tin is non-toxic
	and poisonous zine compounds.	and protects the metal from _ corrosion and avoids ang _ food poisoning.
		good poisoning

Yash Sarlang 47/DIAD 4053339 Pg.no. 3/4 Impressed whrent Cathoclic Protection In this method, a current is applied in the apposite direction to that of the corrosion wrent thereby nullipying its effects on the base metal i.e converting the base metal to cathode from anode. The impressed wrient is obtained by veing a D.C source such as a wet battery or a dry cell along with an înscluble anode such as platinum, stainless steel, graphite, etc. which is go embedded underground to this, impressed whent is applied The whole assembly is connected to the metallic structure to be protected. The anode can be single for a small shortere like water tank or there can be many series connected such anodes If the shurderes to be protected is big like long pipeline, oil rig plat forms on the sea, etc. The insoluble anode is kept inside back-fill made of mostly gypsom which increases the electrical contact with the soil. Advantages: Thes method can protect very large and lang structures.

Its maintainence is easy. Disadvantages: The anode needs frequent replacement. Applications: Protection from soil correction of underground pipt pipelines, cables, protection from seawater correction of cable ship bulle, piece Diagram: Ground level object to be protected