

<u>SR.NO</u>	QUESTION	ANSWER
1	The electrolyte used for electroplating of Iron Spoon with silver is	Potassium Argentocyanide
2	Reduction potential is a measure of the tendency of an electrode to	Gain Electron
3	Name the weak electrolyte	Acetic Acid ( $\text{CH}_3\text{COOH}$ ), Ammonium hydroxide ( $\text{NH}_4\text{OH}$ ), Carbonic Acid ( $\text{H}_2\text{CO}_3$ )
4	In electrochemical cell the electrode at which reduction takes place is called	Cathode
5	The method of electrolysis which is used to improve corrosion resistance of any metal	Electroplating
6	The best suitable alloying metal for iron or steel in cutlery is	Ni or Cr
7	Which of the following is non electrolyte	Benzene
8	A steel screw in a brass marine hardware corrodes due to...	Galvanic corrosion
9	Name the type of corrosion protection, When a buried pipeline is protected from a corrosion by connecting to magnesium blocks.	Sacrificial anodic protection
10	During wet corrosion in acidic environment	Hydrogen evolution occurs
11	When two dissimilar metals are electrically connected, then more active metal becomes...	Anode and undergoes corrosion
12	A Team of engineers on inspection of a boiler observed that the interior part of the boiler is more corroded than the exterior part of the boiler. The type of corrosion in this case is	Differential Corrosion
13	The mixture of resin & thinner is known as	Varnish
14	The mass of KOH (Potassium Hydroxide) in milligrams required to neutralise free acid is called as	Acid Value
15	It is not a homopolymer	Nylon 66
16	An example of natural adhesive used for stamps and envelopes are	Starch
17	Choose from the following options which is not a constituent of paint	Crack on Drying
18	A solution of resin in alcohol is an example of	Shellac Resin
19	The polymer which is different to process as it is harder and stronger (tough) than others is	Thermosetting
20	Phenol and _____ gives bakelite	Formaldehyde
21	The other reactant involved in the synthesis of bakelite	Formaldehyde
22	Predict the adhesive which is used in the sealing operations in the food industry	Polyvinyl (like PVC, Polyvinyl acetate)

23	Select the lubricants used in watches	hazelnut oil
24	The melting point and boiling point of covalently bonded compound is	
25	During differential aeration type corrosion, the corrosion...	Occurs at less oxygenated part
26	The electrochemical equivalent of a metal is X gram.coulomb-1. Equivalent weight of metal is .....	x.96500
27	Which one of the following is electrolyte?	benzene ,chloroform , <b>sodium chloride solution</b> , sugar solution
28	Which one of the following is not a weak electrolyte ?	NH <sub>4</sub> OH , <b>KOH</b> , CH <sub>3</sub> COOH ,H <sub>2</sub> CO <sub>3</sub>
29	The electrode potential is the tendency of metal _____	either loss and gain of electron
30	In galvanic cell, electrical energy is generated at the expense of ____	Chemical energy
31	Chemical reaction in Primary cell is	Not Reversible
32	The electrode connected to the positive terminal of battery in an electrolytic cell acts as	Anode
33	The process of obtaining pure metal from impure metal is	Electrorefining
34	In daniel cell ,anode & cathode respectively are made up of	Zinc and Copper
35	During electrolysis the ions moving towards anode are	Negative (Anions )
36	Name the type of corrosion when steel pipe is connected to copper plumbing	Galvanic corrosion
37	When a buried pipeline made up of iron metal is protected from corrosion by connecting it to magnesium rod s,then it is called as	Sacrificial Anodic Protection
38	Identify the constituents of paint which is used to fill voids or pores in paint film	Filler
39	The alternative name to teflon is	Polytetra fluoroethene
40	On the basis of thermal behaviour ,polymer are classified as	Thermoset and thermoplastic
41	A good paint should have	It forms an impervious and uniform film. It should have high covering power it should not crack on drying. Good resistance to atmospheric conditions.
42	The process of polymerisation in which there is no elimination of by product	Addition Polymerisation
43	Electrical insulating capacity of a substance is	to retard the flow of electricity

44	The process use to deposit one metal over another metal is called as _____	Electroplating
45	In electrorefining of copper , 1% of little H <sub>2</sub> SO <sub>4</sub> is added to electrolyte _____	to increase its conductivity
46	Choose an electrode at which the oxidation process takes place in electrochemical cell.	Anode electrode
47	Which is the chemical formula of rust	Fe <sub>2</sub> O <sub>3</sub> .2H <sub>2</sub> O
48	During electrorefining of blister copper 1% H <sub>2</sub> SO <sub>4</sub> is added to electrolyte	To increase the Conductivity
49	On which part of metal differential aeration type of corrosion will occur	Less Aerated Part ( Anodic)
50	Name the reaction taking place at the anode in daniel cell	Oxidation
51	Calculate the chemical equivalent of zinc when copper sulphate and zinc sulphate are electrolysed in series ,the weight of copper and zinc deposited are 6.35 &6.5 gmm respectively (Given- atomic weight of copper is 63.5)	
52	Calculate the equivalent weight of substance if its electrochemical equivalent is 0.000329 gm.	
53	Identify the organic thermal insulator	Thermacol
54	Select the polymer which does not soften on heating	Thermoset polymer ex. Bakelite ,Nylon66
55	The temperature at which oil ceases to flow on a machine part is called	Pour Point
56	Turpentine oil in paint is used to	Reduce Viscosity
57	Ionic compound when dissolved in a solvent like water produce	Ion by the process of Dissociation
58	A substance which in molten state or in solution form allows electric current to pass through it is called as _____	electrolyte
59	The process in which an ionic compound when fused or dissolved in water splits up into charged particles is called as _____	Ionization
60	According to faradays first law of electrolysis, the amount of any substance deposited at the electrode is directly proportional to the quantity of _____	Electric Charge
61	Electrochemical equivalent may be defined as the _____of the substance deposited by the passage of 1 coulomb of electricity.	Weight

62	In Daniel cell, porous partition act as _____	Salt bridge
63	Secondary cells _____	can be recharged and reused
64	White lead in paint acts as .....	pigment
65	Thinners are added to paint to .....	reduce the consistency or Viscosity
66	A solution of shellac in alcohol is the example of....	Spirit Varnish
67	A good thermal insulator should have□.	low thermal conductivity
68	Glass wool is made up of.....	filaments of glass
69	Handles of saucepans & other cooking utensils are made up of material which are good.....	thermal insulators
70	On the basis of structure, plastics are classified as .....	linear and cross linked polymer
71	An example of natural adhesive used in stamps, envelopes etc. is.....	Starch
72	Adhesive used for bonding glass, metals, ceramic is .....	epoxy resin
73	Graphite is which type of lubricant?	Solid
74	Viscosity index (V.I.) is the measure for change of viscosity with change in .....	temperature
75	The process of reducing frictional resistance between moving or sliding parts by introducing a material is called as	lubrication
76	The cell which can be recharged & reused are called	Secondary Cell
77	One of the methods used for prevention of metal from corrosion by modification of environment is	Deratation ,Neutralisation
78	During electrorefining of blister copper the anode mud contains	Precious Metals such as gold ,Platinum
79	Solid Sodium Chloride does not undergo electrolysis due to	No ions in the solid state
80	Underground part of buried electric pole undergoes corrosion due to	Differential Aeration
81	Several blocks of magnesium are fixed to the bottom of ships hull to	provide Sacrificial Anodic Protection from Corrosion
82	The volatile organic constituents of a paint is	Thinner ex- Turpentine, kerosene etc
83	Name the adhesive used for making belts & conveyors	Natural Adhesive -Shellac Resin
84	Grease is not used to lubricate	machine parts under Low load ,Low friction
85	A good lubricant should possess	moderate viscosity and Viscosity Index,Low Cloud and pour point,High Flash and fire Point,High Oiliness
86	The polymer having low coefficient of friction is	Teflon
87	Solution of resin in alcohol is an example of	Alcohol Varnish or Shellac Varnish

88	The example of thermoplastic	Polyethene, PVC ,Polystyrene,Polytetrafluroethene
89	The structure of thermoplastics is	Liner Chain structure
90	Thermal insulating capacity of a substance	is to Retard the flow of heat
91	Name the adhesive used in aircraft industry.	epoxy resin
92	In Daniel cell anode material is made up of	zinc
93	Process in which impure metal is purified by using electrolysis	Electro refining