MCQ TEST in Ch.6 – ELECTROLYSIS

1. Substances which conduct electric current without decomposing					
		a) Ionic compounds	b) Metallic conductor	rs c) Insulators	d) Non – Polar Solvents
2. Substances which don't conduct electric current					
		a) Conductors	Insulators	c) Covalent Compour	nds d) None of these
	3.	3. Degree of dissociation is represented by the letter			
L		α (alpha)	b) β Beta	c) γ (Gamma)	d) δ (Delta)
4. Chemical compounds having high melting point				point	
	a) Covalent Compounds) Ionic Compounds	
		c) Acidic Compounds		d) Basic Compounds	
	5.	The force of attraction	on in ionic compounds		
		Helectrostatic force	b) Hydrogen Bonds	c) Metallic Bonds	d) Covalent Bonds
	6.	6. Electrode where oxidation takes place			
		a) Cathode	Anode	c) Bridge	d) None of these
	7. Identify the weak electrolyte from the following:				
		a) Sodium Chloride solutionc) Dilute Sulphuric acid		b) Dilute Hydrochloric acid	
	8.	Electrodes connected	l to the negative pole o	f the battery	
		() Cathode	b) Anode	c) Bridge	d) None of these
	9. Process of separation of ions of an ionic solid in solution				
		a) Electrolytic	c association	b) Electrolytic refinir	ng
		c) Electrolytic	c dissociation	d) Spontaneous react	ion

10. The process by which a polar covalent compound is converted into ions in aqueous solution

	a) Condensation) Ionisation	c) Sublimation	d) Precipitation			
	11. The electrolyte used	1. The electrolyte used for electroplating an article with silver is :					
	a) silver nitrate solution		b) silver cynide solution				
			d) nickel sulphate solution				
	12. Electrodes that do no	ot take part in electroly	ic, reactions are known aselectrodes				
	a) electric	b) conducting	c) insulating	d inert			
	13. Electrodes made of c	B. Electrodes made of copper, nickel, silver are known as Electrodes					
	a) inert	b) passive	c) active	d) none of these			
	14. Electrolytic cell used						
	a) Ammeter	b) Galvanometer	c) Voltmeter	d Voltameter			
	15 gas is liberated at anode during electrolysis of water						
	a) Hydrogen	b) Oxygen	c) Ammonia	d) Carbon - dioxide			
	16. The ions which migrates towards an electrode but remains unaffected are known						
	a) Cations	b) Anions	c) Inhibitors	Spectator ions			
	17. The ions which gets deposited have Reduction potential						
	a) low	b) high	c) moderate	d) zero			
	18. Electrode at which reduction takes place is known as						
	() Cathode	b) Anode	c) Bridge	d) None of these			
,	19. The frequency of alternating current						
\checkmark	a) 20 cycles/sec	b) 50 cycles/sec	c) 100 cycles/sec	d) 150 cycles/sec			
	20 Electrodes are used during electrolysis of acidulated water						
	a) Iron	b) Platinum	c) magnesium	d) Carbon			
	21. Article to be electroplated is always made as						
	a) Anode	b) Electrolyte	Cathode	d) None of these			

22 Current should be used for electrolysis						
a) A.C Direct	b D.C. Direct	c) Abbreviated curre	ent d) A.C. Abbreviated			
23 Is the electrolyte used for electroplating an iron spoon with silver						
a) Na ₃ [AIF ₆ }	a) Na ₃ [AIF ₆ } and HCLI Sol.		HCN Sol.			
c) (NiSO ₄) an	c) (NiSO ₄) and H ₂ SO ₄ Sol.		d) AgNO ₃ and HNO ₃ Sol.			
24. Insoluble impurities such as silver, gold, mercury settle below as						
a) Precipitates	b) Gelatinous compo	ounds c) Crystals	a) Anode mud or slime			
25. During electrorefinning of copper pure copper is made the						
of Cathode	b) Anode	c) Electrolyte	d) none of these			
26. Aluminium is extracted by dissolving aluminium oxide in						
a) Nickel Sul	phate [NiSO4]	b) Silver Nitrate [Ag	gNO ³]			
Magnesium I	Hydroxide [Mg(OH) ²]	d) Molten cryolite N	Ja ₃ [AIF ₆]			
27. Electrolyte not used for electroplating with silver is						
a) Silver Chl	a) Silver Chloride (AgCl)		b) Silver Bromide (AgBr)			
c) Silver Sult	fide (Ag ₂ S)	Silver Nitrate (AgNO ₃)				
28 Current should be used for electroplating						
a) A.C (Alter	mating current)	D.C (Direct Curre	ent)			
c) Abbreviate	ed Current	d) None of these				
29. Select the correct answer from the choices A, B, C and D which are given						

Write only the letter corresponding to the correct answer.

A compound which liberates reddish brown gas around the anode during electrolysis in its molten state is:

a) Sodium Chloride b) Copper (II) oxide c) Copper (II) sulphate d) Lead (II) bromide

30. Identify the weak electrolyte from the following:

a) Sodium Chloride solution	b) Dilute Hydrochloric acid		
c) Dilute Sulphuric acid	d) Aqeous acetic acid		

31. Choose the most appropriate answer from the following options:

Which of these will act as a non – electrolyte?

a Liquid carbon tetrachloride b) Acetic acid

c) Sodium hydroxide aqueous solution d) Potassium chloride aqu. solution

32. When fused lead bromide is electrolysed we observe:

a) a silver grey deposit at anode and a reddish brown deposit at cathode

b) a silver grey deposit at cathode and a reddish brown deposit at anode

a silver grey deposit at cathode and reddish brown fumes at anode

d) a silver grey fumes at anode and reddish brown fumes at cathode