12 - Std

YouTube/ Akwa Academy ACHIEVEMENT TEST - 2023-24

Time: 1.30 Hrs

CHEMISTRY

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1.	Which one of the following reaction represents Calcination. a) 2Zn+O,> 2Zno b) 2Zns+3O,> 2Zno+2SO, c) MgCO,> MgO+CO, d) Both (a) and (c)
2.	Which of the metal is extracted by Halt - Heroult process a) Al b) Ni c) Cu d) Zn
3.	Wolframite orc is separated from tinstone by the process of
	a) Smelting b) Cacimation c) Roasting d) Electro Magnetic Separation
4.	Flux is a substance which is used to Convert
	a) Mineral into silicate b) Infusible impurities to souble impurities
_	c) Soluble impurities to infusible impurities d) All of these
5.	Zinc is obtianed from Zno by
6.	a) Carbon reduction b) Reduction using Silver c) Electrochemical process d) Acid leaching
0.	The incorrect statement among the following is a) Nickeal is refined by Mond's Process b) Titanium is refined by van Arkel's process
	c) Zinc blande is concentrated by froth flotation
	d) In the metallurgy of gold the metal is leached with dilute sodium chloride solution
7.	In diborane the number of electrons that accounts for banana bonds is
	a) Six b) Two c) Four d) Three
8.	Oxidation state of carbon in its hydrides
	a) +4 b) -4 c) +3 d) +2
9.	The basic structural unit of silicates is
	a) (SiO3) ²⁻ b) (SiO4) ²⁻ c) (SiO) d) (SiO4) ⁴⁻
10.	Which of the following is not Sp2 hybridised
	a) Graphite b) Graphene c) Fullerene d) Dryice
11.	Duralumin is an alloy
12	a) Cu, Mn b) Cu, Al, Mg c) Al, Mn d) Al, Cu, Mn, Mg
12.	In which of the following NH ₃ is not used?
	a) Nessler's reagent b) Reagent for the analysis of IV group basic radical
12	c) Reagent for the analysis of III group basic radical d) Tollen's reagent The basicity of Pyrophosphorus acid (H ₄ P ₂ O ₄) is
13.	a) 4 b) 2 c) 3 d) 5
14.	Assertion: bond dissociation energy of fluorine is greater than chlorine gas
31	Reason: Chlorine has more electronic repulsion than fluorine
	a) Both assertion and reason are true and reason is the correct explanation of assertion
	b) Both assertion and reason are true but reason is not the correct explanation of assertion
	c) Assertion is true but reason is false d) Both assertion and reason are false
15.	Most easily liquefiable gas is
	a) Ar b) Ne c) He d) Kr
l6.	Which of the following is strongest acid among all
	a) HI b) HF c) HBr d) HCl
١/.	Which one of the following is has the same number of unpaired electrons as presention V3+,
	a) Ti ³⁺ b) Fe ³⁺ c) Ni ²⁺ d) Cr ³⁺
.0.	The magnetic moment of Mn ²⁺ ion is a) 5.92 BM b) 2.80 BM c) 8.95 BM d) 3.90 BM
9	a) 5.92 BM b) 2.80 BM c) 8.95 BM d) 3.90 BM In acid medium potassium permanganate oxdized oxalic acid to
	a) Ourland
20.	Which of the following lanthanoid ion is diamagnetic
0	a) Eu2+ b) Yb ²⁺ c) Ce ²⁺ d) Sm ²⁺
21.	Which of the following oxidation states is most common among the lanthanoids
	a) +4 b) +2 c) +5 d) +3
22.	The actinoid elements which show the highest oxidation state of +7 are
	a) Np. Pu. Am b) U.Fm.Th c) U, Th, Md d) Es. No. Lr
23.	IUPAC name of the Complex K ₃ [Al(C ₂ O ₄) ₃] is
	a) Potassiumtrioxlatoaluminium (III) b) Potassiumtrioxlatoaluminiate (II)
	c) Potassium trisoxilato aluminate (III) d) Potassium trioxilato aluminate (III)
4.	which type of isomerism is exhibited by Pt (NH.), Cl.]
	a) Coordination isomerism b) Linkage isomerism c) Optical isomerism d) Geometrical isomerism
.5.	which kind of isomerism is possible for a complex [(Co(NH ₃) ₄ Br ₂] Cl? 12 Chemistry Page
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c) III and IV

d) II and III

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b) I and III

are
a) I and IV

50	of the following is incorrect for physisorpti	on?	•				
	a) reversible b) increases with increase in temperature c) Low heat of adsorption d) increases with increase in surface area						
51		with increase in surface are	d				
	a) Solid is gas b) Gas is gas	c) Liquid is gas	d) Gas is liquid				
52	 The most effective electrolyte for the coagulation of 						
	a) NaCl b) Ba (No ₃) ₂	c) K ₃ [Fe(CN) ₆]	d) Al ₂ (SO ₄) ₃				
53							
54	 a) Cataphoresis b) Electrophoresis Which are of the following is an example of homo 	c) Coagulation	d) Tyndall effect				
	a) Manufacture of ammonia by Haber's process		nuric acid by contact process				
	c) Hydrogenation of oil	d) Hydrolysis of sucrose					
55		the state of the s					
56.	a) Δ H increases b) Δ S increases	c) Δ G increases	d) ∆ S decreases				
. 50.	Which are of the following is the strongest acid a) 2-Nitrophenol b) 4-Chlorophenol	c) 4-Nitrophenol	d) 3-Nitrophenol				
57.		c) + maophenor	dy 3-trittophicnor				
	a) Phenol b) Picric aicd	c) Benzoic acid	d) Phenylacetic acid				
58.	the state of the state that culture						
	Reason: Phenoxide ion is resonance stabilised	- 4h					
	a) Both assertion and reason are true and reason isb) Both assertion and reason are true but reason is						
	c) Assertion is true but reasons false		on and reason are false				
59.							
2.2	a) C ₆ H ₅ COOH b) C ₆ H ₅ COCH ₃	c) C _e H _s COC _e H _s	d) C ^E H ² OH				
60.							
61.	a) Methanol b) Ethanal An reacting with neutral ferric chloride phenol give	c) Neopentyl alcohol	d) Ethan -1,2 diol				
01.	a) Red colour b) Violet Colour	c) Dark Green Colour	d) No Colouanation				
62.			kwa Academy				
	HC≡CH ——— x Product x w HgSO4	vill not give					
	a) Tollen's test b) Victor meyer test	c) lodoform test	d) Fehling solution test				
	KCN HO' PCI		State of the state				
63.	CH3 Br $\frac{\text{KCN}}{\text{CH}_{3}}$ (A) $\frac{\text{H}_{3}\text{O}^{*}}{\text{H}_{3}}$ (B) $\frac{\text{PCI}_{3}}{\text{CH}_{3}}$ (C) Produce the state of		-iaid -d\				
64.	a) Acetyl chloride b) Chloroacetic acid Which are of the following reduces tollen's reagent	c) α-chloro cycno ethan	oic acid d) none of these				
04.		c) Benzophenone	d) None of these				
65.	Which are of the following reaction is an example of	The state of the s					
N .	a) Aldol condensation b) Cannizaro reaction		d) None of these				
66.	The reagent used to distinguish between acitaldehy	-	and a discontinuity				
67.	a) Tollens reagent b) Fehlign's solution. In which of the following reaction new carbon - carb		rozine d) Semicarbazide				
07.	a) Aldol condensation b) Friedel craft reaction		d) Wolfkishner reduction				
68.	Carbonylic acids have higher boiling points than aldeh	A CONTRACTOR OF THE CONTRACTOR					
	It is due to their						
	a) More extensive association of carbonylic aicd via						
	b) Formation of carboxylate ion c) Formation of intermolecular H-bonding	mation of intramolecular H	-bonding				
69.	Which of the following reagent canbe used to conver	rt nitrobenzene to aniline					
05.	a) Sn / HCl b) ZnHg / NaoH	c) Zn/NH ₂ Cl	d) All of these				
70.	Which are of the following will not undergo Hoffman						
	a) CH ₃ CO NH CH ₃ b) CH ₃ CH ₂ CO NH ₂	c) CH ₃ CO NH ₂	d) C ₆ H ₅ CO NH ₂				
71.	The product formed by the reaction an aldehyde with		d) Katana				
72	a) Carbonylic acid b) Aromatic acid Nitrobenbenzene and reaction with Ca HNO ₃ H ₂ SO ₄	c) Schiffasbase	d) Ketone				
72.	a) 1,4 - dinitrobenzene b) 2,4,6 - trinitrobenzene						
73	Secondary nitro alkanes react with nitrous acid to fo		,				
30. 5 0	a) Red Solution b) Blue Solution	c) Green Solutio	n d) Yellow Solution				
74.	Which of the following amines does not undergo ace						
	a) t-butylamine b) Ethylamine	c) Diethylamine	d) Triehtylamine				
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d) Trans Chloroprene

c) Cis-Chloroprene

100.

a) Cis-isoprene

The monomer Unit of Natural rubber is

b) Trans-isoprene