STD-XII

ONE MARK EXAMINATION-2022-23

CHEMISTRY

		1		3 /4	
Tot	al 1	Var	be	.10	10

			taken in the second second second second	Total Marks :
1.	Which one of the following reaction represents Calc		1,144/1416	1) Doth (a) and ()
2	a) 2Zn+O ₂ > 2Zno b) 2Zns+3O ₂ > 2Zn	10+2SO ₂	c) MgCO ₃ > MgO+CO ₂	d) Both (a) and (c)
2.	Which of the metal is extracted by Halt - Heroult pro			the state of the state of
2	a) Al b) Ni c) Cu	587.1 (6.17)	d) Zn	
3.	Wolframite orc is separated from tinstone by the pr		Charles of the Committee	
	a) Smelting b) Cacimation c) Ro	pasting	d) Electro Magnetic Separ	ration
4.	Flux is a substance which is used to Convert		terities to the state of the st	
	a) Mineral into silicate b) In		urities to souble impurities	
_	c) Soluble impurities to infusible impurities d) Al	I of these	a galactical strains and	
5.	Zinc is obtianed from Zno by	8.5		
•	a) Carbon reduction b) Reduction using Silvanian bilinear statements by the silvanian	ver c) Ele	ctrochemical process	d) Acid leaching
6.	The incorrect statement among the following is			and the second problems.
	a) Nickeal is refined by Mond's Process	100 100	b) Titanium is refined by	van Arkel's process
	c) Zinc blande is concentrated by froth flotation	Laft from 14 trey	na ling militable ren ili 🗷 na 🤄	payley at the safe
7	d) In the metallurgy of gold the metal is leached wit	th dilute sodi	ium chloride solution	
7.	In diborane the number of electrons that accounts f	The state of the s		
0	a) Six b) Two c) Four	d) Three		
8.	Oxidation state of carbon in its hydrides	o orbit	A Section of the second	
0	a) +4 b) -4 c) +3	d) +2		Freeze of Control
9.	The basic structural unit of silicates is a) (SiO3) ²⁻ b) (SiO4) ²⁻ c) (SiO)	1.00%	addison to be supply and the	
10		d) (SiO4)	Competition for the state of th	
10.	Which of the following is not Sp2 hybridised a) Graphite b) Graphene c) Fullerene			
11	a) Graphite b) Graphene c) Fullerene Duralumin is an alloy	d) Dryice		voin de la company
11.		d) Al C		
12	a) Cu, Mn b) Cu, Al, Mg c) Al, Mn In which of the following NH ₃ is not used?	d) Al, Cu,	, IVIN, IVIG	
	a) Nessler's reagent	h) Boogo	ant for the analysis of N/	
	c) Reagent for the analysis of III group basic radical		ent for the analysis of IV gr 's reagent	oup basic radical
13.	The basicity of Pyrophosphorus acid (H ₄ P ₂ O ₅) is	u) ionen	3 reagent	
	a) 4 b) 2 c) 3	d) 5		
14.	Assertion: bond dissociation energy of fluorine is gr		chlorine gas	
	Reason: Chlorine has more electronic repulsion than		THE STATE OF THE S	
	a) Both assertion and reason are true and reasen is		explanation of assertion	
-	b) Both assertion and reason are true but reason is r	not the corre	ect explanation of assertion	NA UBARTA ARA
	c) Assertion is true but reason is false		d) Both assertion and reas	
15.	Most easily liquefiable gas is		Your transmission for a terms	Lor)
	a) Ar b) Ne c) He		d) Kr	
16.	Which of the following is strongest acid among all		and the second second	HOUSE LIBRORY
	a) HI b) HF c) HB	r	d) HCl	
17.	Which one of the following is has the same number of	of unpaired e	electrons as presention V3+	percentage and the se
	a) Ti ³⁺ b) Fe ³⁺ c) Ni ²	•	d) Cr³+	
18.	The magnetic moment of Mn ²⁺ ion is		went to all their to all chair	
	a) 5.92 BM b) 2.80 BM c) 8.9		d) 3.90 BM	
19.	In acid medium potassium permanganate oxdized ox	kalic acid to		
	a) Oxolate b) Carbon dioxide	c) Acetate	e d) Acetic	aicd
20.	Which of the following lanthanoid ion is diamagnetic		And the Hold to be seen	
	a) Eu2+ b) Yb ²⁺ c) Ce ²		d) Sm ²⁺	
	Which of the following oxidation states is most comm	mon among	the lanthanoids	
	a) +4 b) +2 c) +5		d) +3	and the second of the second
22.	The actinoid elements which show the highest oxidati			say financia da
22		rh, Md	d) Es, No. Lr	· American
23.	IUPAC name of the Complex K ₃ [Al(C ₂ O ₄) ₃] is	ter of art of	A head placed by the other to the	
	a) Potassiumtrioxlatoaluminium (III) b) Po	otassiumtrio	xlatoaluminiate (II)	
24	c) Potassium trisoxilato aluminate (III) d) Po	otassium tric	oxilato aluminate (III)	
24.	Which type of isomerism is exhibited by Pt (NH ₃) ₂ Cl ₂		The second retains the first the	
25	a) Coordination isomerism b) Linkage isomerism	c) Optical	l isomerism 'd) Geometri	cal isomerism
25.	which kind of isomerism is possible for a complex [(C	$LO(NH_3)_4 Br_2$	CI?	

Header Page 2 of 25.

					Walter Street		
26.	a) Geometrical an	d ionization b) Geometrical h the oxidation number of t	and optical	c) Optical and	lionizatio	on d) Geor	metrical only
1	a) K ₄ [Fe(CN) ₅]	b) [Fe(CN), (NH.),] c)		d) Both	(b) and (c)	
27.	Which of the follo	wing is paramagnetic in nat	ure				c.r.
28.	a) [Zn (NH ₃) ₄] ²⁺ Choose the corre	b) [Co (NH ₃) ₆] ³⁺	c)	[Ni (H ₂ O) ₆] ²⁺	d) [Ni (C	N) ₄] ²⁻	2 246 1 2 1
	a) Square planar	complexes are more stable	than octoh	edral complaxe	es		
	b) The spin only	magnetic moment of [Cu (C	(1)4]2. is 1.73	2 BM and it ha	s sqaure	planar structure	
	c) Crystal field sp	litting energy (△٫) of [Fe F6]⁴	is higher th	an the (Δ_a) of	Fe (CN)61	4.	
29.	Solid CO, is an e	tabilization energy of V(H ₂ C	0)6]4 is high	er than the cr	ystal field	stabilization of	[Ti(H ₂ O)6] ²⁺
25.	a) Covalent soild		4	Molecular so	lid	ط/ امساء دسادا	
30.		e is bee lattice unit cells is		iviolecular 30	iiu	d) Ionic Solid	
	a) 48%	b) 23%	c)	32%		d) 26%	
31.	The yellow colou	r is NaCl Crystal is due to					
	a) extraction of e	electrans is F Centers	b) Reflecti		n Cl ⁻ ion a	as the surface	
32.		ight from Na ⁺ ion s its normal position in the o	d) all of th	e above	interctitie	المام المام المام	
	is known as	tes normal position in the (arystal allu i	noves to some	interstition	proposition the de	elect is the crystal
	a) Schottly defect		c) Frenkel	defect		d) Non-Stochiom	netric defect
33.		a metal defeciency defect is	14				9. 4
24	a) NaCl	b) FeO	c) ZnO			d) KCI	
34.	a) Rate is propor	on of Phosphine (PH ₃) an tu tional to the suface coverag	ngsten at lo	w pressure is a	first orde	er rection. It is be	cause the
	c) Rate is indeper	ndent of the surface coverage	re d'	Rate is invers	nnosition	is slow	ace coverage
35.	The addition of a	catalyst during chemical re	eaction alter	rs which of the	following	g quantities	
	a) Enthalpy	b) Activ	ation energy	y c) Entro	ру		nal energy
36.		it of a reaction is 5.8 x 10-2 S					
37.	a) First order	b) Zero order	C)	Second order		d) Third order	
37.	reactions	entration of the reactant is	nonpied tile	time for half f	eaction is	also double the	n the order of the
	a) Zero	b) One	(c)	Fraction		d) None	
38.	The half life perio	od of a radioactive element			, 1g of ele	ement will be red	duced to
	a) (1/2) g	b) (1/4)g	c)	(1/8) g		d) (1/1	
39.		or bronsted acids H ₂ O and H		110.	Faring.		
	a) OH and H ₂ F-N ⁴ c) OH and F resp			H ₃ O+ and F- ro H ₃ O+ and H ₃ F			
40.		not likely to act as lewis ba		Ti ₃ O rana Ti ₂ r	respectiv	vely	
	a) BF,	b) PF,		co	d) F		
41.		roduct of lead iodide is 3.2	x10 ⁻⁸ , its sol	ubility will be			
	a) 2x10 ⁻³ M	b) 4x10 ⁻⁴ M	c)	1.6x10 ⁻⁵ M	d) 1.8x1	0 ⁻⁵ M	
42.		OH Solution will be		10	1.		
43.	a) 9 H _a PO _a the Conjug	b) 5	C)	19	d) more	of these	
٠٠.	a) PO ₄ the conjug	b) P ₂ O ₅	c)	H ₃ Po ₄	d) HPo,2		
14.		ectrons that have a total cha			3,11.04		
	a) 6.22 x 10 ²³	b) 6.022 x 10 ²⁴		6.022 x 10 ²²	d) 6.022	x 10 ⁻³⁴	
1 5.	Faraday constant						
	a) Charge carried		, b)	Charge carrie	d by one i	mole of electron	S
16.	C) Charge required	to deposit one mole of sub	ostance d)	Charge carrie	d by 6.22	x 1010 electrons	
	a) 5F	ys of electricity are required b) 3F		1F		r MnO ⁻ ₄ → Mn ²⁺	
17.		of meltan sodium chloride	the time re	equired to pro	d) 7F duce 0.1 i	male of chloring	
	Current OISA IS			do .		mole of chlorine	gas using a
	a) 55 minutes	b) 107.2 minutes		220 minutes		d) 330 minutes	
18.	Which of the follo	owing electrolytic solution	has the leas	st specific cond	ductance	· · · · · · · · · · · · · · · · · · ·	
0	a) 2N	b) 0.002N	c)	0.02N	,	d) 0.2N	
9.	Among the follow 1) Leclanche cell		III\ (== -! =:	Let Luccis	a Mir.		
	are	II) Nickel - cadmium cell	iii) Lead sto	orage battery		IV) Mercury ce	ll primary cells
	a) I and IV	b) I and III	c)	III and IV		d) II and III	

sde:	which of the following is	incorrect for physisorptic	nn?	10 M. H. 176	
	a) reversible	b) increases w	vith increase in temperature		
	c) Low heat of adsorption	d) increases v	vith increase in surface are		
51.	Fog is colloidal solution o	f	VILLI INCICASE IN SAVIGEE GIE	The first warm was	
	a) Solid is gas	b) Gas is gas .	c) Liquid is gas	d) Gas is liquid	
52.	The most effective electrol	vte for the coagulation of	f AS S Sol is		
	a) NaCl	b) Ba (No ₃) ₂	c) K ₂ [Fe(CN) ₆]	d) Al, (SO ₄),	
53.	The Phenomenon observe	d when a beam of light is	s passed through a colloida		
	a) Cataphoresis	b) Electrophoresis	c) Coagulation	d) Tyndall effect	
54.	Which are of the following	is an example of homos	reneous catalysis		
	a) Manufacture of ammon	ia by Haber's process	b) manufacture of sulph	nuric acid by contact p	process
	c) Hydrogenation of oil		d) Hydrolysis of sucrose	in presence of dil.HC	1
55.	Adsorption of a gas is solid	d metal surface is sponta	neous and exothermic then		
	a) A H increases	b) Δ S increases	c) Δ G increases	d) Δ S decreases	
56.	Which are of the following	is the strongest acid			
	a) 2-Nitrophenol	b) 4-Chlorophenol	c) 4-Nitrophenol	d) 3-Nitrophenol	
57.	Carbolic acid is				
V: 0	a) Phenol	b) Picric aicd	c) Benzoic acid	d) Phenylacetic acid	
58.	Assertian: Phenol is more	acidic than ethanol			
	Reason: Phenoxide ion is				
	a) Both assertion and reas	on are true and reason is	the correct explantion of a	ssertion	
	b) Both assertion and reas	on are true but reason is	not the correct explantion	of assertion	
	c) Assertion is true but rea			on and reason are false	e
59.	Isoprophylbenzene an air				
	a) C ₆ H ₅ COOH	b) C ₆ H ₅ COCH ₃	c) C ₆ H ₅ COC ₆ H ₅	d) C ₆ H ₅ OH	
60.			antifraese is automobile rad	lators?	
	a) Methanol	b) Ethanal	c) Neopentyl alcohol	d) Ethan -1,2 diol	
61.	An reacting with neutral fe		S - Doub Croon Colour	d) No Coloupnation	
	a) Red colour	b) Violet Colour	c) Dark Green Colour	d) No Colouanation	
62.	[2011] [2012] [2012] [2012] [2012] [2012] [2012] [2012] [2012] [2012] [2012] [2012] [2012] [2012] [2012] [2012]		dll not givo	the second	100
	HC≡CH	→ x Product x w	All HOL BIVE		
	a) Tollen's test		c) lodoform test	d) Fehling solution to	est
		not/		6. 4. 7 . 7 . 70	
63.	CH3 Br \xrightarrow{KCN} (A) $\xrightarrow{H_3O^+}$	$(B) \xrightarrow{FCI} (C)$ Produ	ict is	The North Control	9
	a) Acetyl chloride	b) Chloroacetic acid	c) α -chloro cycno ethan	oic acid d) none of t	hese
64.	Which are of the following	reduces tollen's reagent			
	a) Formic acid	b) Acetic acid	c) Benzophenone	d) None of t	hese
65.	Which are of the following	reaction is an example of	of dunproprtienation reaction	on	
1 3	a) Aldol condensation	b) Cannizaro reaction	c) Benzoin Condensation	d) None of t	hese
66.	The reagent used to disting	uish between acitaldehyd	de and benaldehyde is		1. 18
	a) Tollens reagent		c) 2,4 dinitrophenyl hydi	rozine d) Semicarb	azide
67.	In which of the following re	action new carbon - carb	on bond is not formed		.,
	a) Aldol condensation	b) Friedel craft reaction	c) Kolbe's reaction	a) Wolfkishner reau	ction
68.	Carbonylic acids have higher	r boiling points than aiden	lydes, ketones and even alco	mois of comparable me	Siecularmass
	It is due to their a) More extensive associati	an of carbonylic aicd via	wander waals force of attr	action	
			mation of intramolecular H		
	b) Formation of carboxylated) Formation of intermolec		mation of intramolecular m	-portung	5.0
60	Which of the following reag		rt nitrohenzene to aniline		124 180
69.	a) Sn / HCl	b) ZnHg / NaoH	c) Zn/NH ₂ Cl	d) All of these	7. 6
70.	Which are of the following			d) All Of these	-33
70.	a) CH, CO NH CH,		c) CH, CO NH,		0.16
71.	The product formed by the	b) CH ₃ CH ₂ CO NH ₂		d) C ₆ H ₅ CO NH ₂	7. OH.
	a) Carbonylic acid	b) Aromatic acid	c) Schiffasbase	d) Ketone	
72.	Nitrobenbenzene and react				nducts
. 2.	a) 1,4 - dinitrobenzene	b) 2,4,6 - trinitrobenzene			
73	Secondary nitro alkanes rea			zene u) 1,3 - ainit	Tobelizelle
	a) Red Solution	b) Blue Solution	c) Green Soluțio	n d) Yellow So	dution
74.	Which of the following amir			u) lellow 30	nation
	a) trage 3 of 25.	b) Ethylamine	c) Diethylamine	d) Triehtylar	mine
ro(her rage 3 of 23.			=,	

Heade	Page 4 of 25. Which are given below is	a non reducing sugar		
,	a) Glucose	b) Sucrose		e side deluga bes in 143 PM Co
76			c) Maltose	d) Lactose
	a) Peptide bond	b) Dative bond	A second ib	
77			c) α-Glycosidic	bond d) β-Glycosidic bond
	a) 2-Ethylalamine	b) α-methylglycine	64 - S (62)	
78	. Vitamin B2 is also known	as a methylgrychie	c) 2-hydrocymet	hylserine d) Tryptophan
	a) Riboflavin	b) Thiamine	and the second second	- internal
79		glucose are	c) Nicotinamide	d) Pyridoxine
	a) Epimers	b) Anomers	telle for a let le	
	isomers	D) Allomers	c) Enentiomers	d) Carformational
80		an analygesic	Commence of the second	And the Difference of the Control of
	a) Streptomycin	b) Chloromycetin	-	NO.75 Spitement of Fill 1
81		by emorothycethi	c) Asprin	d) Pencillin
	a) Acetylsalicylic acid	b) benzoyl Salicylic acid	200 Con 2 7 (0.7 4	A CONTRACTOR OF THE STATE OF TH
82		o, benzoyi sancyiic acid	c) Cholorobenzo	ic acid d) Anthranilic acid
	a) alternate cis and trans	- Configuration	longing molecules	
	c) All cis - Configuration	Comiguration	b) Random cis - and tran	s - Configuration
83	Which one of the following	g is a bio degradable polym	d) All trans - Configuration	on
	a) Hope	b) PVc		till - Sister Breston Court
84			c) Nylan 6	d) PHBv
٠,	a) Polystyrane	b) PAN		an one three less that the
85			c) Polyester	d) Polythene
03	a) Sodium ethyl xanthate			auther earn serreit research
86		b) Sodium acetate otic agent to arrest bleeding	c) Sodium hydroxide	d) Sodium
00	a) Potassium chloride	b) Aluminium chloride		
87		b) Aluminum chloride	c) Potash Alum	d) Zeolite
0,	a) Tetrahedral	h) Trigonal mandesi	lacin Hill Co.	ARTOTICAL SS
88		b) Trigonal	c) Planar	d) Pyramidal
00			Li Tiol de la	
	 a) A mixture of TiCl₄ and t c) Vcl₄ and Aluminium chlo 	rido	b) TiCl ₂ and ethyl bromide	names days little of all
89			d) None of these	
65	a) water		NO. set	N 5 11
90	이 하는 그 사이 아이 이번에 어려워 하면 살아지는 것이 되었다면 하는 것이 되었다면 하는데 그렇게 되었다.	b) thiocyanate	c) Ammonia	d) Pyridine
30	a) Trigonal planar			J) C. L.
91	Example for Zero order rea	b) Tetrahedral	c) Octahedral	d) Cubic
91	a) lodination of acetone is		b ferring or order	. The soft Autobia (c. 17)
	c) Isomerisation of cyclo p		b) decomposition of dinit	
92			d) Hydrolysis of ester in a	icia medium
92			stanese na si nottan a	a wollows to so the maid.
02				
93	The solution containing ac a) Basic Buffer solution	b) Acidic buffer Solution		division of the
04			c) Neutral Solution	d) None of these
94.	· , ·		Miss of Rodrigo Won good of Sales	
OF	a) OV b) 1.1V The size of colloidal partic		d) 1.2V	indiamah ay a san ar
95	요즘 등이 가게 되는 것이 되지 않는데 그렇게 하면 하는데 가지 않는데 가는데 하는데 하는데 하는데 하는데 하다.	b) 10°M to 10°M	c) 101014 to 10914	d) 10911
06	a) 10 °M to 10 °M	b) 10 W to 10 W	c) 10 ¹⁰ M to 10 ⁹ M	d) 10°M to 10°M
96	DOMESTIC CONTRACTOR OF THE PROPERTY OF THE PRO	P) C/150 1/130	c) FoSO + 11 O	1,000
07	a) FESO ₄ + H ₂ O ₂	b) CuSO ₄ +H2O ₂	c) FeSO ₄ + H ₂ O	d) CuSO ₄ + H ₂ O
97		h) Hudrous huters	al 2 Underen better	of Farmarkin of program
	a) 2-Hydroxy butanclk	b) Hydroxy butane	c) 3-Hydroxy butanal .	d) 1-Hydroxy butanal
98.			ACH MU	-1\ AU 1
	a) (C2H _s) ₂ NH	b) (C ₂ H ₅) ₃ N	c) C ₂ H ₅ NH ₂	d) NH ₃
99		mylopectin colour		A) C
	a) Scarlet Red		c) Purple	d) Colourless
100			a) Cia Chlana	A Company to the second second
	a) Cis-isoprene	b) Trans-isoprene	c) Cis-Chloroprene	d) Trans Chloroprene

and five this F. I (b)