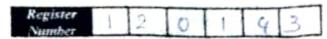
Class: 12

Write about orthosilicates

17.



CH/12/Che/1

## FIRST REVISION EXAMINATION, JANUARY - 2024

Time Allowed: 3.00 Hours				CHEMISTRY PART - A				[Max. Marks . 70		
1.	Ch	oose the correct an	swer.					15x1=15		
1	The	metal oxide which o	annot	t be reduced to metal	by C	arbon is				
	a)	Pbo	b)	AI,O,	C)	ZnO	d)	FeO		
2		isotope is used a	sam	oderator in nuclear re	acto					
	a)	*B**		<sub>a</sub> Ga <sup>ee</sup>		<sub>8</sub> B*'		<sub>31</sub> Ga <sup>21</sup>		
3.	Assertion : Bond dissociation energy of fluorine is greater than chlorine gas									
	Rea			more electronegative						
	a)			on are true and reaso						
	b)			on are true but reason						
	C)	Assertion is True b			d)	Both assertion and	rea	son are Faise		
4		ch one of the following	ng ion			C-20				
	a)	Sc3.	b)	Ti4*	C)	V5*	d)	Ti2*		
5.			isome	ers are possible for [F	et (Py	(NH <sub>3</sub> ) (Br) (Cl)]?				
	a)	3	b)	4	C)	0	d)	15		
6.		d CO, is an example	of							
	a)			Metallic solid		Molecular solid				
7	Afte	r 2 hours, a radioact	ive su	ibstance becomes (1	16)**	of original amount.	Then	the half life (in min) is		
	a)	60 minutes	b)	120 minutes	c)	30 minutes	d)	15 minutes		
8.	Our	blood contains								
	<b>a</b> )	H <sub>2</sub> CO <sub>3</sub> and CO <sub>3</sub> 2	b)	H,CO, and HCO,	c)	H,SO, and HSO,	d)	H,SO, and SO,		
9	During the electrolysis of molten sodium chloride the time required to produce 0.10 mol of chlorine gas									
	using a current of 3 ampere is									
	a)	55 minutes	b)	107.2 minutes	C)	220 minutes	d)	330 minutes		
10.	Wh	ich enzyme present	in soy	abeans hydrolysis ur	ea?					
	a)	Urease	b)	Zymase	c)	Invertase	d)	Diastase		
11.	Williamson synthesis of preparing dimethyl ether is a									
	a)	SN, reactions			b)	SN, reactions				
	C)	Electrophilic addat			d)	Electrophilic subst				
12.	Which one of the following undergoes reaction with 50% sodium hydroxide solution to give the corresponding									
	alco	hol and acid								
	a)	Phenylmethanal	b)	Ethanal	C)	Ethanol	d)	Methanol		
13.	When aniline reacts with acetic anhydride, the product formed is									
	a)	O - amino acetophe	enone		b)	m - aminoacetoph	enor	ne		
	C)	P - amino acetophe	enone		d)	acetanilide				
14.	Vitamin B, is also known as									
	a)	Riboflavin	b)	Thiamine	C)	Cobalamine	d	) Ascorbic acid		
15	Which metal is used for the preparation of Buna-N and Buna - S rubber?									
	a)	Potassium	b)	Sodium	c)	Calcium	, 0	) Magnesium		
			,		RT - I	3				
H.	Ans	wer any six questi	ons o	f the following. Qu			lsor	y. 6x2=1		
16.		at is Roasting? Give		_						

Transition Kindly send me your answer keys to us - padasalai.net@gmail.com

	J. UI	। स्टा हा	titate Isotropy and Anisotropy?						
2	0. W	hat is	s peptisation?						
2		Explain schotten-Baumann reaction?							
2			formalin? Mention its use.						
2	3. W	hich:	sweetening agents are used to prepare sweets for a diabetic patient?						
2			ite the molar conductance of 0.01 M aqueous KCI solution at 25°C. The specific conductance						
	K	lat?	25°C is 14 114 x 10-2 Sm-1?						
			PART - C						
11	l Ar	iswe	reny six questions of the following. Question No. 33 is compulsory. 6x3=						
25		Give the uses of Helium?							
26	5. W	Write a short note on Hydroboration?							
27	7. W	rite th	e formula for the following coordination compounds.						
	a)	Pe	ntacarbonyliron (0)						
	b)	He	xaammine Cobalt (III) Sulphate						
	C)	Po	tassium Hexa Cyanidoferrate (II)						
28	B. Giv	e the	differences between Order and Molecularity of a reaction						
29		Derive the relationship between P* and Po+?							
30		Write a note on standard hydrogen electrode?							
31	31. How will you convert phenol into the following compounds?								
	()		line ii) Picric acid						
32	Wr	te a	note on denaturation of Proteins?						
33		Identify A. B. and C.							
		,,	$C_{\epsilon}H_{\epsilon}NO_{\epsilon} \xrightarrow{Fe/HCI} HNO_{\epsilon}/273K (B) \xrightarrow{C_{\epsilon}H_{\epsilon}OH} (C)$						
IV	An	swer	all the questions.						
34		(i)							
-	(61)		What is blister copper? (2)						
		(#)	Explain Aluminothermic Process. (3)						
	(h)	73	(OR)						
	(p)	(i)	Write about Morfee Process (2)						
35	(0)		What are Inter Halogen Compounds? Give example. (3)						
55	(a)	1)	KMnO <sub>4</sub> is a strong Oxidising agent. Justify? (2)						
		11)	Compare Lanthanoids and Actinoids. (3)						
	/hs	F	(OR)						
20	(b)		plain Ionisation isomerism and solvate isomerism. (5)						
36	. (a)	Ca	culate the percentage efficiency of packing in case of a Body centred cubic crystal? (5)						
	et. v		(OR)						
	(b)	1)	Write the limitations of Arrhenius concept of acids and bases. (2) .						
		11)	Differentiate physisorption and chemisorption. (3)						
37	(a)	Ext	plain briefly the collision theory of bimolecular reaction (5)						
			(OR)						
	(b)	i)	Write a note on williamson ether synthesis? (2)						
		н)	What is transesterification? (3)						
38	(e)	1)	How will you identify primary amine? (2)						
		11)	There are two isomers with the molecular formula CH, NO, How will you distinguish between						
			them? (3)						
			(OR)						
	(b)	1)	What are the functions of lipids in living organisms?. (2)						
		11)	Write a note on Vulcanization of rubber? (3)						
			CH/12/Che/						

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