## FIRST MID TERM TEST - 2021

CHEMISTRY

Marks: 50

## Standard - 12

e : 1.30 Hrs

						LVI		•						
ose	the	cor	ect a	nswe	rt								10×	1=1
1)	Bauxite has the composition											44 44		
	a) Al <sub>2</sub> O <sub>3</sub> b) Al <sub>3</sub> O <sub>3</sub> .					nH,O	O c) Fe <sub>2</sub> O <sub>3</sub> ,2H <sub>2</sub> O			)	d) None of these			
2)	Match:									_				
	A. Cyanide process						1)	Ultrapure Ge						
	B. Froth floatation process					•	1111111	Dressing of Zns						
	C. Electrolytic reduction						100			of A	17			
	D. Zone refining							Extraction of Au						
							V)	Purification of Ni						
		A	B	C	D				A	B	C	D		
	a)	(1)	(11)	(111)	(iv)			b)	(111)	(IV)	(v)	(1)		
	c)	(IV)	(11)	(111)	(1)			d)	(11)	(111)	(1)	(v)	14	
3)	Ox	idatio	on sta	ite of	carbon in	its hy	dri	des						
	a)	+4			b) -4			c) +3				d) +2	i.	
	Which one of the following is a weak monobasic acid?													
	a) HBO <sub>2</sub> b) H <sub>3</sub> BO					,		c) H <sub>2</sub> B <sub>4</sub> O <sub>7</sub>				d) H <sub>4</sub> B <sub>2</sub> O <sub>7</sub>		
5)	Which one of the following orders is correct for the bond dissociation enthan													ntha
	of halogen molecules?													
	a) Br <sub>2</sub> > I <sub>2</sub> > F <sub>2</sub> > Cl <sub>2</sub>							b) F, > Cl, > Br, > l,						
	c) $1, > Br, > Cl, > F,$ d) $Cl, > Br, > F, > l,$													
6)	Assertion : due to Frenkel defect, density of the crystalline solid decrea													
	Re	ason		: in	Frenkel d	efect	cal	ion a	nd ar	nion l	eaves	the cr	ystal.	
	a)	Both	asse	rtion (	and reason	n are	tru	e and	reas	on is	the c	orrect e	explan	atio
		asser	tion.						Panadia					
	b) Both assertion and reason are true but reason is not the correct explana of assertion.													
	c) Assertion is true but reason is false.													
	d) Both assertion and reason are false.													
7)	The rate constant of a reaction is 5.8×10-4s-1. The order of the reaction													ction
			order		b) zero					ond o		A	hird o	2001 5
8)	10.1	V2V 143				VALUE OF STREET			tile-some	9303743	274426	10.00	MALATRIC.	
	Carbolic acid is a) phenol							h	b) picric acid					
	127			niet.								acid		
*			oic a		m Midd for	e eller	ed -	d) phenyl acetic acid						
9)	a) CH,OC,H, b) C,H,OC													
	a)	CHIC	1-2H		b) C,H,	OC,	5	C	CH	OCH,	ירויין	-113	d) CH	,00

				Table of the State					
10)	Which of the fo	XII - Chemistry							
	a) alanine	b) leucine	c) proline	d) glycine					
*****		PART	- II	ATTICAL PROPERTY.					
awer	Differentiate	s. Question Numb	er 15 is compulsor	y: 5×2=10					
	Differentiate - Ores and Minerals.								
12)	Write a short n	ote on anamolous p	roperties of the first	element of a black					
13)	Write a short note on anamolous properties of the first element of p block.  What is inert pair effect?								
14)	Define unit cell	SCHOOL AND CO.							
15)	Write Kolbe's re	eaction,							
16)	Rate constant life time.	of a first order re-	action is 1.54×10 <sup>-3</sup>	s-1. Calculate its hal					
17)	What is epimer	isation?							
		PART	r-111						
swer	any 5 questio	ns. Question Num	ber 22 is compulso	ry: 5×3=1					
18)	How nickel is r	efined by Mond's pr	ncess?	7. 3.43-1					
19)	What are the	uses of silicones?							
		e prepared by Deac	nn's nrocess?						
21)	Write notes of	n schottky defect.	The production						

22) Prove that the time taken for the completion of 99.9% first order reaction

PART-IV

(OR).

(OR)

27) i) How will you distinguish primary, secondary and tertiary alcohols by Lu

(OR)

Calculate the packing efficiency in body centered cubic arrangement. (

ii) What is catenation? What are the conditions for catenation?

ii) Derive integrated rate equation for a zero order reaction.

ii) How is 1, 4 dioxane prepared from ethylene glycol?

3×5=1

ten times for the completion of half of a reaction.

24) What are the differences between RNA and DNA?

How will you identify borate radical?

Write and explain Arrhenius equation.

ii) Explain froth floatation process.

Elucidate the structure of glucose.

23) How is acrolein formed?

25) i) What is calcination?

26) i) What is packing fraction?

Answer ALL the questions:

test?

1)