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

d) Phenyl hydroxylamine

a) benzyl alcohol

c) benzene + N.

14)	AmonywwePadasalaid the achiral amino acid www.TrbT	Tnpsc.com		
1	a) 2-ethysianine b) 2 - metnyigiycine			
	c) 2-hydroxymethylserine d) Tryptopha	on then th	ne seque	nce
15)	If one strand of the DNA has the sequence 'ATGCTTC	<b>3</b> , c., c.	,	
	of complementary strand would be	T (b) T	<b>ACG</b> RAG	T
(	TACGAACT b) TCCGAACT c) TACGTAC			
	Part - II			
Answer	any 6 Questions in short, O.No. 24 is compulsory	<b>y</b> .	6x2:	=12
16)	Name some common methods of ore concentration	1.0		
(7)	What re silicones?	V 1		
18)	Mn2*, Fe3* have high magnetic moment. Prove it.	CN) 1-		
19)	Write the IUPAC name of the complex. a) [Fe(NH <sub>3</sub> ) <sub>2</sub> (	C14/4]		
1	p) [CL(NH³)² (NC)²(H²O)],			
(20)	What is Schottky defect? The reaction $A + 2B \rightarrow C$ obeys the rate equation. Re	ate = K[A]	/2 [B]3/2 V	vhat
$\mathcal{A}$	is the order of the reaction?			£
221	Write the Henderson equation for Acidic and Basic b	uffer	100	
23)	Write Short note on SHE			
	How tereylene is prepared.			
				1
	Part - III		£~2	=18
Answer	any 6 Questions in short. Q.No. 30 is compulsor	y. Canqua	ii) Slag	-10
25)	Explain the following terms with suitable examples.	Garigue	ii) Siag	
26)	Differentiate lanthanides and actinides	es - 9	1.5	
2/)	What are interstitial compounds? Give their properti What are the limitations of VB Theory.			
20)	Sketch the (a) Simple cubic (b) face-centred cubic an	d (c) body	centred (	cubic
23)	lattices.			
30)	A first order reaction is 20% completed in 10 minute	es		
	Calculate the time taken for the reaction to go to 8	0% comple	tion	
31)	Explain Lucas test with examples.			
/32)	Write short notes on Gomberg reaction.			
33)	What are Lipids? How is it classified?	. 4		
	Part - IV			
Answer	all the questions in brief.		5x5	5=25
34)			(3)	
02.,	ii) Explain mond's process			(OR)
	b) i) Write note on structure of diborane.		(3)	
	ii) Explain Fisher - Tropch synthesis.		(2)	
35)		•	(3)	
	ii) Give the uses of helium.	,	(2)	(OR)
\	が)i) Calculate the packing efficiency of B.C.C		(3)	
	ii) Write short note on solvate isomerism		(2)	
36)				while
- 1	[Ni(CN) <sub>4</sub> ] <sup>2-</sup> diamagnetic		(3) (3)	(OB)
	<ul><li>ii) What is anisotropy</li><li>b) i) Derive the relationship between half life</li></ul>		(2)	(OR) order
			(3)	order
7	<ul><li>reaction.</li><li>ii) What is arhenius equation?</li></ul>		(2)	
1 12	<ul><li>ii) What is arhenius equation?</li><li>a) i) Derive ostawld diution law</li></ul>		(3)	
537)	ii) Explain buffer asction with examples.		(2)	(OR)
	على Explain the difference between physical and ch	emical ads		()
38)	a) What is esterification reaction. Write the mech			(OR)
,	b) Discuss the structure of Fructose. Kindly send me your answer keys to us - padasalai.net@			•
	Kindly send me your answer keys to us - padasalai.net@	gmail.com		