Tsi	12C	Tenkasi District Common Second Revision Examination - 2025	
29-01-2025 Standard 12 Marks: 70			
		OO Hours CHEMISTRY	
		Part - A	15x1=15
[.	Cho	Collodion is a 4% solution of which one of the following compounds in alc b) Nitroglycerine	ohol-othermixture?
	1)	Collodion is a 4% solution of which one of the following each possible solution of which one of the following each possible solution of which one of the following each possible solution of which one of the following each possible solution of which one of the following each possible solution of which one of the following each possible solution of which one of the following each possible solution of which one of the following each possible solution of which one of the following each possible solution of which one of the following each possible solution of which one of the following each possible solution of which one of the following each possible solution of which one of the following each possible solution of which one of the following each possible solution each possibl	
		a) Nille Celluluse	
	2	Which of the following electrolytic solution has the least spec	cific conductance:
	2)	a) 2N b) 0.02N c) 0.002N	a) U.ZIV
	21	Among the following the Lewis acid is	d) Cu ²⁺
	رد	a) F^- D) $K^-N\Pi_2$	of the reaction is
	4)	a) F b) R-NH ₂ c) CaO The rate constant of a reaction is $5.8 \times 10^{-2} \text{s}^{-1}$. The order b) first order c) second order	d) Third order
,	',	The rate constant of a reaction is 5.8×10^{-2} s ⁻¹ . The order a) zero order b) first order c) second order The total number of tetrahedral voids in the face centred up to 1.8 c) 10	nit cell is
	5)	The total number of tetranedral volume	d) 12
	6)	which of the following is paramagnetic in historical	d) $[Ni(CN)_4]^2$
		a) $[Zn(NH_3)_4]^{2+}$ b) $[Co(NH_3)_6]$ b) $[C$	paired electrons
	7)	Which one of the following	d) Cr ³⁺
		as present iii v : C) Ni ²⁺	a) Ci
	۵)	Among the following the correct order of acture is	no- <hcio< th=""></hcio<>
	8)	a) HClO ₂ <hclo<sub>3<hclo<sub>4 b) HClO₃<hclo<sub>4+HClO₄ d) HClO₂<hclo>HClO>HClO₃</hclo></hclo<sub></hclo<sub></hclo<sub>	IO₂ <hclo₄< th=""></hclo₄<>
- :		a) HCIO < HCIO < HCIO < HCIO 3	n the correct code
	۵۱	a) HClo2+HClO2+HClO3 d) HClO2 <hclo4+hclo4+hclo4+hclo3 d)="" hclo2+hclo4+<="" hclo2<hclo4+hclo4+hclo4+hclo3="" th=""><th></th></hclo4+hclo4+hclo4+hclo3>	
. !	, 5)	Column	
		A. Borazole 1) B(OH) ₃	
		B. Boric acid 2) $B_3N_3H_6$ 3) $Na_2[B_4O_5(OH)_4].8H_2O$	
		O, 4, (1)	· .
		D. Bolax	
		A D	•
•	٠,	a) 2 1 4 3 b) 1 2 4 3	
		0) 1 2 3 4	
			d) Mond's process
	10)	- CONCIONING	a) Moria s process
	10)	a) liquation	d) Polythene
	11)	The polymer used in making a c) Polyester	en the sequence
		a) Polystylche and has the sequence Allege	
4	12)	If one strand of the DNA flat of complementary strand would be of complementary strand would be c) TACGRAGT	d) TACGAACT
		of complementary strains of the complementary	**
,		a) ICCGANO:	* ·.
		NO ₂	
		A is	
	13)	Br	
		Br	
		N=N-Cl b) HgSO ₄ / H ₂ SO ₄ c) Cu ₂ Cl ₂ b) HgSO ₄ / H ₂ SO ₄ c) cu ₂ Cl ₂	d) H_3PO_2 and H_2O
1,		a) H ⁺ / H ₂ O higher polling points than are 1,	etones and even
	14)	a) H ⁺ /H ₂ O Carboxylic acids have higher boiling points than alderlyde, K Carboxylic acids have higher boiling points than alderlyde, K carboxylic acids have higher boiling points than alderlyde, K carboxylic acids have higher boiling points than alderlyde, K carboxylic acids have higher boiling points than alderlyde, K carboxylic acids have higher boiling points than alderlyde, K carboxylic acids have higher boiling points than alderlyde, K carboxylic acids have higher boiling points than alderlyde, K carboxylic acids have higher boiling points than alderlyde, K carboxylic acids have higher boiling points than alderlyde, K carboxylic acids have higher boiling points than alderlyde, K carboxylic acids have alleged acids have higher boiling points than alderlyde, K carboxylic acids have alleged acids have acids have alleged acids have	force of attraction
	14)	alcohols of contraction of Carboxylic acid via variation	iorce of attraction.
		1	
<i>,</i> ,		c) formation of Inter molecular H-bonding d) formation of Inter molecular H-bonding	
		d) formass	

a) An organic compound A of Molecular formula C_6H_6O gives violet coloration with netural FeCl₃. A react with metallic sodium and gives B. compund B on treatement with CO_2 at 400K under pressure give C. The product on acidification gives compound D ($C_7H_6O_3$) which is used in medicine. Identify A, B, C and D and explain the reactions. (**OR**)

b) i) Give two difference between Hormones and Vitamins (2M)

ii) How are (i) Phenol (ii) biphanyl prepared by using benzene diazonium chloride (3M)