SECOND REVISION TEST - 2025,

	A	Standard XII	Reg.No.
		CHEMISTRY	
Tim	ie : 3.00 hrs	Part - A	Marks : 70
1.M	Choose the correct answ		15 x 1 = 15
	Electrochemical process is		
0.65		d c) Sodium	d) Silver
2.	Duralumin is an alloy of		
150	a) Cu, Mn b) Cu,	Al, Mg c) Al, Mn	d) Al, Cu, Mn, Mg
∙ 3.	Among the following, which		gent?
	a) Cl ₂ b) F ₂	c) Br ₂	d) l ₂
4	Permanganate ion changes	toin acidic mediun	n. Carrier of
	a) MnO ₄ 2- b) Mn ²	t c) Mn ³⁺	d) MnO ₂
5.	Crystal field stabilization ene	ergy for high spin d ⁵ octahed	
	a) $-0.6 \Delta_{0}$ b) 0	c) $2(P - \Delta_o)$	d) $2(P + \Delta_0)$
6.	The crystal with a metal defi		
	The state of the s	c) ZnO	d) KCI
7.	If 75% of a first order reaction	CONTRACTOR OF THE PROPERTY OF	tes 50% of the same reaction
	under the same conditions v		
	a) 20 minutes b) 30 n	ninutes c) 35 minutes	d), 75 minutes
81	Which of the following fluro		
			d) SiE ₆
9.	Which of the following electr	rolytic solution has the least	A CAN ALL AND A CAN A CA
	a) 2 N b) 0.00	2 N c) 0.02 N	d) 0.2 N
10.	Mayonnaise is colloidal solut	tion of	
Sill	a) liquid in liquid b) liquid		
11.	Which of the following gives		
	a) Methanol b) Ethe		a) Pnenoi
12.	Which of the following reduc		AV CH CH OH
4, 63		COOH c) C ₆ H ₅ COOH	
13.	The product formed by the re	eaction an aldenyde with a p	onmary amine
20.25	a) Carboxylic acid b) Keto		id d) Schill's base
14.	Which of the following amino		d) Glycine
1	a) Alanine b) Leuc		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
15.	Non stick cookwares genera		d) 1,1,2,2-tetrafluroethane
<i>y</i>	a) ethane b) prop-2-enen	Part - B	1) 1,1,2,2-tetrandroctilane
2 1	Answer any 6 questions. (C		6 x 2 = 12
II.	Describe the role of sodium of	cvanide in Froth floatation	
16.	Describe the role of soliding	ric acid?	
17.	Give any two uses of sulphur	042	
18.	What are interstitial compour	me in hec unit cell?	
The second second	Calculate the number of aton		
	Define pH.		
21.	Write a note on catalytic pois	on.	

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XII Chemistry

- 22. Write the dehydration reaction of glycerol.
- 23. Write Coupling reaction.
- 24. Ethanoic acid SOCI₂ A Pd/BaSO₄ B. Find A and B.

Part - C

III. Answer any 6 questions. (Q.No.33 is compulsory)

6x3=18

- 25. Write a note on Zeolites.
- 26. Discuss briefly the nature of bonding in metal carbonyls.
- 27. Define rate law and rate constant.
- 28. State Kohlraush law. How is it useful to determine the molar conductivity of weak electrolyte at infinite dilution.
- 29. Write a note on electro osmosis.
- 30. Write the reactions of Ammonia with formaldehyde and acetaldehyde.
- 31. What are the functions of lipids in living organism.
- 32. How is terylene prepared? Any one use.
- 33. Establish a relationship between the solubility product and molar solubility for the following: a) BaSO₄ b) Ag₂(CrO₄)

Part - D

IV. Answer all the questions.

5 x 5 = 25

- 34. a) i) Describe a method of refining nickel. (3)
 - ii) Explain the electrometallurgy of Aluminium. (2)

(OR)

- b) Describe the preparation of K₂Cr₂O₇
- 35. a) Write the oxidation state, coordination number, nature of ligand magnetic property and electronic configuration in octahedral crystal field for the complex K₄[Mn(CN)₆] (OR)
 - b) i) Write short note on metal excess and metal deficiency defect with an example. (3)
 - ii) Give two examples for first order reaction. (2)

36. a) Derive an expression for Nernst equation.

(OR)

- b) Describe absorption theory of catalysis.
- 37. a) i) Explain Kolbe's reaction. (3)
 - ii) How anisole is prepared by Williamson ether synthesis. (2)

(OR)

- b) i) Write the structure of α -D(+) glucophyvanose. (2)
 - ii) What are biodegradable polymers. Give examples. (3)
- 38. a) Write short notes on the following :
 - i) Gabriel phthalimide synthesis (3)
 - ii) Schotten-Baumann reaction. (2)

(OR)

b) Compound (A) C_6H_6O reacts with Zn form compound (B). (B) reacts with CO, HCl gives compound (C) C_7H_6O . (C) reacts with 50% NaOH gives compound (D) C_7H_8O . Find A, B, C and D.