Time 3 00 Hrs

(B) ()

a) phenol

SECOND REVISION TEST Heg No 1 STANDARD - XII CHEMISTRY PART I Choose the correct answer Which of the following is paramagnetic in nature? d) [N:(H,O)]2" ht (CO(NH₃)₆]3(c) [Nt(CN)₄]2 all En(NH, t, fit Crystal field stabilication energy for high spin d5 octahedral complex is b) 2 (P+ \(\Delta_0\)) c) -0 6 A 3. The sum of primary valency and secondary valency of the metal M in the complex (M (en), (OX)] Clis b) 6 C1 - 34 The number of electrons that have a total charge of 9650 coulombs is a) 6 022 x 10⁻³⁴ b) 6 022 x 1024 c#6 022 x 1022 5 A certain current liberated 0.504gm of hydrogen in 2 hours. How many grams of copper can be liberated by the same current flowing for the same time in a copper suiphate solution 6 The shape of As₂S₃ colloidal particle is d) None of these b) Disc Which of the following is positively charged colloid? d) Arsenic sulphide b) Clay (a) Haemoglobin c) Starch 8 Benzene diazonium chloride on reduction with ethyl alsohol gives d) benzene b) chlorobenzene c) taluene 9 Which one of the following will not undergo Hoffmann bromamide reaction? an CH, CONHCH, b) CaH, CONH c CH, CH, CONH, a) CH, CONH. 10 Which of the following reagent can be used to convert nitrobenzene to aniline? d) All of these a) ZnHg/NaOH e-Sn/HCI b) LIA/H, 11 Which of the following are epimers b) D(+) Glucose and D(+) - Mannose a) D(+) - Glucose and D(+) Galactose d) Both a and b c) Neither 'a' or 'b' 12 Insulin, a hormone chemically is d) Carbohydrates er Protein b) Steroid 13. In a protein, various amino acid inked together by b) \alpha - Glycosidic bond a) Dative bond d) B - Glycosidic bond El Peptide bond 14 Terviene is an example of b) polysaccharide e) polyester d) polythene a) polyamide 15 An example of antifertility drug is (prhovestrol. b) chloramphenicol d) seldane

PART - II

Answer any six questions. Question No. 24 is compulsory:

6 X 2 = 12

- 16 Define oxidation number
- Define crystal field stabilisation energy 17
- Define anode and cathode 18
- 19 What is peptisation?

a) salvarsan

- What are promotors? 20
- 21 What is tautomerism?

PRIT~EDUCATION-SS PRITHVI-CLICK FOR MORE

S	econd Rev-XII-(Chemistry)	
2	2 Write Nef carbonyl synthesis	
2	3 Define enzymes	is use the
2	4 A solution of silver nitrate is electrolysed for 20mts with a current of 2 amperes. Ca	liculate
	mass of silver deposited at the cathode	
	PART - III	6 X 3 = 18
	Answer any six questions. Question No. 33 is compulsory:	0 ^ 0
- 28	7	
26	and applications of economistion compounds	
27	and the factors and coming add of photo	
28	The state of the s	
30	year distinguish between primary, secondary and ternary contract	
-31	The entitle bith and KINA	
32	a strict on peptide bond	
	a note on validation of rubber	
,33	, and a series into	
	i) m - nitro aniline ii) azoxybenzene iii) TNB	
	PART – IV	5 X 5 = 25
2.4	Answer all questions:	3
34	- Papier the postdiates of werner's theory	2
	b) Write the limitations of VB theory	
	(OR)	5
	a) In the complex $[pt(NO_2)(H_2O)(NH_3)_2]Br$ identify the following	3
	i) Central metal atom iii) Ligands and their types (iii) Coordination entity	
2.5	iv) Oxidation number v) Coordination number and TUPAC name	3
3,5		
	b) Why does conductivity of a solution decreases on dilution of the solution	2
	(OR)	
	a) Explain the function of H ₂ -O ₂ fuel cell	3
	b) lonic conductance of infinite dilution of Ai^{3} and so_4^2 are 189 and 160 mho	cm ²
	equiv-1 Calculate the equivalent and molar conductance of the electrolyte A	12(SO ₄)2 at
	infinite dilution	2
36	a) Write the characteristics of catalysts	3
	b) What are heterogeneous catalysis?	2
	(OR)	-
	a) Explain electro dispersion method	2
	b) What is ultrafilteration?	3
37	a) Write short notes on the following	2
	i) Sandmeyer reaction	77-
	ii) Reaction of N-methyl andine with nitrous acid	1
		2
	iii) Coupling reaction	2
	(OR)	
20	b) Explain the structure of fructose	5
38.	a) Write a note on formation of α - helix	3
	b) What are food preservatives?	2
	(OR)	
	a) Differentiate thermoplastic and thermosetting plastics	3
	b) Why do soaps not work in hard water?	
		2