COMMON FIRST REVISION TEST - 2023

	Standard XII		(I) .	Reg.No.		
	CHEMISTRY				-	
Time: 3.00 hours Part - I Marks: 70						
	. Choose the correct answer:					$15 \times 1 = 15$
1	. Galena is		/			
	a) PbS b) ZnS				FeS	٠.
2	2. In diborane the number of electrons that accounts for banana bond is					
_	a) six b) four	c) t		d)	three	
3	. Among the following which is the strong		2		- + + + + + + + + + + + + + + + + + + +	
	a) Cl ₂ b) Br ₂		-	d)	l ₂	
4	. The most common oxidation state of a		10			
	a) +2 b) +4	c) +		,	+6	
5	. A complex in which the oxidation numb					
	a) $K_4[Fe(CN)_6]$ b) $[Fe(Co)_5]$	c) [I	$Fe(CN)_3(NH_3)_3$] d)	Both (b)	& (c)
6	. An example of metal defect					
_	a) NaCl b) CsCl	c) A			FeS	
7	The rate constant of a reaction is 5.8 x					
` .	a) first order b) second order	c) z	ero order	(d)	third orde	er
8	. An example of basic buffer is				T Sec. 5	
	a) NH ₄ OH and NH ₄ Cl		IH ₄ OH and NaO)H		· ·
_	c) NaOH and NH ₄ Cl	a) N	laOH and KOH	19		
9.	Among the following cells	in 61	liakal Čadmium	2011	* · · · · · · · · · · · · · · · · · · ·	
	i) Leclanche cell	6.	lickel-Cadmium	Cell	٠.	
	iii) Lead Storage battery	IV) IV	fercury cell		• ,	
	Primary cells are a) i and iv b) iii and iv	c) is	and iii	d)	ii and iii	
10	fog is colloidal solution of	0, 10		7,		· /*
10.	a) solid in gas b) liquid in gas	c) g	as in gas	d)	gas in ligi	uid
11	On reacting with neutral Ferric chloride			- ,		
11.			ark green colou	r .	4.0	
	c) violet colour	•	o coloration			
12	The reagent used to distinguish betwee	n aceta	ldehyde and be	nzal	dehyde is	,
	a) Tollens reagent	b) Fe	ehling's solution	1		
	c) 2,4-dinitrophenyl hydrazine		emi Carbazite			
13.	The product formed by the reaction of a	ldehyd	e with a primary	ami	ne.	
	a) carboxylic acid b) aromatic acid	c) so	chiff's base	d)	Ketone	
14.	In a protein, various amino acids linked t	togethe	er by			
	a) peptide bond	b) da	ative bond		*	
	c) α-glycosidic bond	d) β-	-glycosidic bond	d		•
15.	Which of the following is an analgesic?		. 100			
	a) streptomycin b) aspirin	•	loromycetin	d) l	penicillin	· ,
	F	t -	la amali			
II.	Answer any 6 questions. (Q.No.24 is	compu	isory)		7.00	$6 \times 2 = 12$
16.	What is inert pair effect?	0014-0-	.d aaaud!4!	, ,	2012	, .
17.	Give any two difference between double	saitan	iu coordination	com	pounas.	• 1

(2) XII Chemistry 18. What are the uses of boric acid? 19. Draw the unit cells: a) FCC 20. Distinguish between Lewis acid and Lewis base. 21. State Faraday's first law. 22. Write a note on electro osmosis. How do antiseptics differs from disinfectants. 24. Draw the structure of zwitter ion. Part - III III. Answer any 6 questions. (Q.No.33 is compulsory) $6 \times 3 = 18$ 25. What are the differences between minerals and ores. 26. What are the reasons for the anomalous properties of first element of p-block. 27. What is Lanthanide contraction and what are the effects of Lanthanide contraction. 28. Write a note on Frenkel defect. 29. Write Arrhenius equation and explain the terms involved. 30. What is Henderson equation. 31. What are promoters and catalytic poison? Give example. 32. Write short notes on Gabriel phthalimide synthesis. 33. Convert glycerol to acrolein. Part - IV IV. Answer all the questions. $5 \times 5 = 25$ 34. a) Write short notes on zone refining. [3 m] ii) Define slag flux. [2 m] (OR) Explain the structure of Diborane. [3 m] b) Which is more stable Fe³⁺ or Fe²⁺. Explain. [2 m] Write the postulates of Werner's theory. [5 m] Describe the preparation of potassium dichromate. ii) What is chromyl chloride test? Give equation. Distinguish between physisorption and chemisorption. [5 m] (OR) Derive Ostwald's dilution law. [3 m] b) Write the cell representation of the galvanic cell in which the following reaction takes place 4 $Zn_{(s)} + CuSO_4 \rightarrow ZnSO_4 + Cu_{(s)}$ [2 m]Convert the following: Phenol → Picric acid 2) Glycol → Dioxane 1) [3 m] What is Mustard oil reaction. [2 m] (OR) b) Differentiate 1°, 2°, 3° alcohol by Victor Meyer method. [5 m] Elucidate the structure of glucose. [5 m] 38. a) What are drugs? How are they classified? [2 m] Write a note on vulcanization of rubber. ii) [3 m]

Kindly send me your questions and answerkeys to us: Padasala Net ghall CamScanner