## FIRST REVISION EXAMINATION - 2024 Std: XII

Time: 3.00 Hours	CHEMISTRY	No. Marks: 70
	PART - A	
<ol> <li>Answer all the question</li> <li>Bauxite has the compos</li> </ol>		15 X 1 = 15
2. Inorganic benzene means		of the above
3. XeF <sub>6</sub> on complete hydroly		
a) XeOF <sub>4</sub> b) XeO <sub>2</sub> F 4. The oxidation state of Fe	-	C. C. Stimes & p.
a) +5 b) +2 5. Which one has para Magne	c) +3 d) 0	
a) $[zn(NH_3)_4]^{2+}$	b) $[Co(NH_3)_6]^{3+}$ c) $[Ni(H_2O)_6]^{2+}$	d) [Ni(CN) <sub>4</sub> ] <sup>2</sup>
	c) 52.38 %	d) 32 %
a) Half life period b)	tant concentration to reach one half of its in first order c) Zero order d) Pseudo f	
8. Faraday constant is defind		45
	sit one mole of substance b) charge carrie	
<ol> <li>Assertion (A): The conduct</li> <li>Reason (R): DC Current</li> </ol>		ne circuit throught AC current
	b) Both A and R wrong c) A Correct R wrong	
	for the action of an enzyme in human body	War and Williams
a) 30°C b) 35°C		and the second
11. HO-CH <sub>2</sub> -CH <sub>2</sub> -OH On heati		
a) Methanal b) Methan 12. Procuct obtained from etar	noic acid c) CO <sub>2</sub> d) glyoxal d reaction is	
	acetaldehyde c) Formaldehyde  NaOH C <sub>6</sub> H <sub>6</sub> -NH-CO-C <sub>6</sub> H <sub>5</sub> this reacion	d) Benzaldehyde is know as
a) Friedel-crafts reaction	b) HVZ reaction	Karan San Caran
c) Schotton-Baumann Rea	d) Kolbe's reations	A
14. Which one is non-reducing	sugar	and the second
a) Glucose b)	Sucrose c) Maltose d)	Lactore
	hould have% mininum TFM.	
	70 % c) 76 %	d) 50 %
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PART-II	
II) Answer any Six Questions (Q.No.24 is Compulsory)	$6 \times 2 = 12$
16. Give any two uses of Zinc.	
17. Prove that sulphuric acid as a dibasic.	and the comment of the
18. Write about Brag's equation.	
19. What are the limitations of Arrhenius concept?	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
<ul><li>20. What is mean by tyndall effect?</li><li>21. Explain williamson ether synthesis.</li></ul>	
22. What are epimers? Give example.	
23. Draw the structure of Glucose.	
24. Rate constant of first order reactions 1.54 X 10 <sup>-3</sup> S <sup>-1</sup> Find the value of half life	fe period.
PART - III	
	6 X 3 = 18
III) Answer any Six Questions (Q.No.33 is Compulsory).	0 × 3 - 10
25. What is inert pair effect	
26. What is mean by lanthanide contraction?	
<ul><li>27. Why does conductivity of a solution decrease on dilution of the solution?</li><li>28. Give the coupling reaction of phenol.</li></ul>	
29. Explain the reducing action of formic acid with example.	
30. What is chloropicrin? How it was prepared? Give it uses:	
31. How is vitamins are classified?	
32. How is terylene prepared?	
33. Write the following for the complex[Ag(NH <sub>4</sub> ) <sub>2</sub> ] <sup>+</sup>	
a) Ligand b) central metalion c) IUPAC Name	(dans a a
IV) Answer all the questions.	5X5 = 25
34. a) i) what are the limitations of Ellingham diagram.	3A3 - 23
ii) How is Nickle purified by mond process	2
(OR)	3
b) i) Explain the structure of diborane with diagram.	5.
35. a) How is K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> Prepared?	5
(OR)	3
b) Draw the structure of cubic unit cell. Calculate the atoms present init.	
36. a) Derive an expression for Nernst equatior	5
(OR)	3
b) Differenciate chemisorption and physisorption.	5
37. a) Write the following Reactions.	3
i) Dow Process ii) Acrolin preparation	3
(OR)	Z
b) i) Write the uses of diethylether	2
ii) Write the preparation of Eurotropin Given its uses.	,
38. a) Distinguish between primary, Secondary and Tertiary amines.	
(OR)	A STATE OF THE STA
b) How is soaps and detergents are used as cleansing agents.	5
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