Chemistry (New Scheme) Time: 2:40 Hours Note: Section I is compulsory. Atten		(INTER PART-II) 419 SUBJECTIVE And THREE (3) questions from S		Group		Paper: II Marks: 68	
-	0101 0001	on x is compaisor j. recent			Section II.		
(SECTION – I) 2. Write short answers to any EIGHT questions. $(2 \times 8 = 16)$							
2.				10		(2)	\times 8 = 16)
	i. Define "Covalent Hydride" with one example.ii. Oxides of non-metals show acidic behavior, give reason.						
	iii. Why 2% of gypsum is added in cement?						
	iv. Aluminium is not found in free state, give reason.						
	v. CO ₂ is gas at room temperature while SiO ₂ is a solid, give reason.						
	vi. What is "Borax"?						
	vii. Write two reactions in which H ₂ SO ₄ acts as oxidizing agent.						
	viii. Write two differences between Oxygen and Sulpher.						
	ix. Write two methods for the preparation of NO ₂ .						
	x. What are phosphatic fertilizers?						
		What do you mean by "Set					
	xii. What is role of chlorofluoro carbons in "Destruction of Ozone"?						
3.		THE PARTY OF A PARTY OF THE PAR					
	i. I						< 8 = 16)
	ii. Give name and reaction of alkenes which is used to indicate the position of double bond. iii. How is ethyne converted into: a) Ethanal b) Benzene						nd
							nu.
	iv. How is benzene converted into m-chloronitro-benzene?						
	v. How will you convert phenol into benzene? vi. How is ethene converted into 1-butanol?						
	vii. Give the reaction which is more useful for the preparation of alkyl chlorides.						
	viii. Give the structural formulae of following compounds:						
		a) Glycerol	b) Lactic acid				
	ix. How is ethyl iodide prepared from diethyl ether?						
		Vhat is "Peptide Linkage"?					
		I I I was a familiar of ministration of					
	xii. H	xii. How is ethanol converted into ethanoic acid?					
4.	4. Write short answers to any SIX questions. (2 ×						6 = 12
	i. Why HF is weaker acid than HCL?						
	 ii. Justify that Cl₂O₁ is the anhydride of per-chloric acid. iii. Complete & balance the following equations: i) XeF₄ + NH₃ ⇒ ii) XeF₆ + SiO₂ ⇒ iv. Define "Paramagnetism & Diamagnetism". v. Distinguish chemically between "Acetone" and "Ethyl alcohol". vi. Convert methanol to cthanol. vii. Cellulose is not digested by human intestinal track justify. viii. Point out difference between "Cellulose" and "Starch". 						
		ow radiations affect the ac					
(SECTION – II)							
5.	(a)	State Mendeleev's perio					
5.	(a)	Mendeleev's table.	odic law and write	cown the impro	ovements r	nade in the	4
	(b)	Write down eight point	e in which lithium	differe from ath		to of marm IA	4
	(0)				ier eiemen	is of group IA.	4
6.	(a)	Explain the following v					2+2
			o-ordination numb				
	(b)	(b) What is smog? Explain the pollutants which are main cause of photochemical smog. 1+3					
7.	(a)	What is chain isomerism	n? Draw all the ne	ossible skeletal f	ormulae o	fhevane	1+3
1.	(b)						2+2
	(0)	(b) Write two reactions for each to justify benzene as saturated and as unsaturated compound.					
	43.00	6384 91 97 909 95 95					
8.	(a)	Write Kolbe's method of	1151 51	thyne along with	n its mecha	ınism.	4
	(b)	How does ethanol react	with:				4
		i) PCl ₃ ii)	$SOC\ell_2$	iii) Na	iv)	CH ₃ COOH	
9.	(a)	How C2H5MgBr reacts	s with the following	ng:			4
	4-1080	i) H ₂ O ii)		iii) HCHO	iv)	CH ₃ COCH ₃	
	(b)	Write one laboratory an	d one industrial m	ethod for prepar	ration of ac	cetaldehyde.	4