Roll No			illed in by the candidate)
CHEMI	,	emic Sessions 2017 – 2019 to 2019 – 221-(INTER PART – II)	Time Allowed: 2.40 hours
CHEMISTRY 2 PAPER – II (Essay Type)		GROUP – II	Maximum Marks: 68
		SECTION - I	
2. Wri	te short answers to a	any EIGHT (8) questions:	16
(i)		bout period 6 of the periodic table?	
(ii)	Why Na <sup>+</sup> is smaller	than Na atom?	
(iii)	What are alkali meta	dls? Give name of alkali metals.	
(iv)	Give two differences	s between lithium and other alkali me	etals.
(v)	Give chemical formulas of mica and bauxite.		
(vi)	How would you prep	pare borax from colemanite?	
(vii)	Give two uses of alu	minium.	
(viii)	Draw structural formulas of dinitrogen pentoxide and dinitrogen oxide.		
(ix)	" Sulphuric acid is a	dehydrating agent". Justify.	
(x)	Write different steps	involved in the manufacturing of ure	ea.
(xi)	• •	lizers are important for plants?	
(xii)	What reactions take	place between 1 to 7 days during s	
3. Wri		any EIGHT (8) questions :	16
(i)		of bleaching powder.	
(ii)	What is disproportion	onation reaction? Give one example.	
(iii)	Why HF is weaker a	acid than HCl?	
(iv)		tin plated iron get rusted quickly?	
(v)		of metals from corrosion.	
(vi)	What are polycyclic	aromatic hydrocarbons? Give exam	nples.
(vii)		o we get from X-ray study of benzen	
(viii)	How does formalde	hyde react with the following reagen	t: (a) HCN (b) $NaHSO_3$
(ix)		guish between methanal and ethanal	
(x)	group is involved.	ions of carboxylic acids in which hyd	
(xi)	What is meant by or	xidative cleavage of alkenes? Give a	nn example.
(xii)	Write down the med	chanism of ester formation.	
4. Wr	ite short answers to	any SIX (6) questions:	12
(i)	Define catalytic cra	cking.	
(ii)	Define homocyclic	and heterocyclic compounds.	
(iii)	Define hydrogenoly	ysis. Give one example.	
(iv)			
(v)	How are cis and tra	ns alkenes prepared from alkyne?	(m
			(Turn Over)