12.	19 Wa	rning:-	Please writ	e your F	Roll No. in	the spa	ce pro	vided	and sign	ı. Ro	ll No		
	(Inter P	art - II)	(S	ession	2015-17 to	0 2017-1	9)				ident		
Ch	emistry	(Obje	ctive)		•	Group -	11			Paper ((II)		
			minutes		PAPER]	Maximu	m Marks	:- 17	
resu Ans whit	t in zero wer Sheet te correcti	front of the mark in the and fill the ing fluid is	choices for e hat question hat question, bubbles accor- s not allowed polymers is	number. Write PA rdingly, o	Use marker PER COD therwise the	e student	o fill th	ted or respon	D. The chies. Cutting	noice whi	ch you thing two or n	ik is corre	es wil
		Nylon-6			olystyrene		(C) T	[eryle	ene	(I) Epoxy	resin	
2)			tween fat a	nd NaO	H is called	1	(- ,	,		,	, 2011)	10111	
		Esterific		(B) H	ydrogeno	lysis	(C) F	erme	entation	(I)) Saponi	fication	
3)			ments are r			lthy gro	wth of	plan	ts?				
		N. S. P		(B) N	, Ca, P	20 TO	(C) N	1, P, 1	K	(E) N, K,	C	
4)			be recycled		ind again l	by how i			?				
5)	(A)			(B) 4			(C) 3			$(\Gamma$) 2		
	(A)	Na ⁺ is si Na atom	t statement maller than i nave the ma	(B) N	a atom		1	than (on) is sm	naller (D		n) and C e equal i	
	(A)			(B) C			(C) I		5.7	(D) Mg ²⁺		
7)	Tincal is	a miner	ral of	(B) B			(C) S		V.S	25			
8)		g gas is	chemically		. 0		(C) 1		Sec. 1				
9)	Which is		ongest acid				(C) I		ACAL (P	(D) N ₂ O ₄) HClO ₄		
	(A) 1	10	r of transiti	(B) 14			(C) 4	0		(D) 58		
	(A) I	Position	isomerism		s-trans isc	merism	(C) M	ietam	erism	(D	Functio isomeri	-	p
12)1			roform is	(D) G			(0) -						
		CH_3CI		(B) C		,	(C) C	H_2Cl	2	(D)	CHCl ₃		
13) \	Which co	ompoun	d is the mo				•						
1416		Benzene		(B) Etl			(C) E	thane		(D)	Ethyne		
14)(nt is reactive			C) ((O) T						
15) A	h	alogen a	ence of atom vis concept	ato	m	e of Mg	(C) 11 C	he po -Mg l	larity of bond	(D)	The pol Mg-X b		
	(A) A			(B) Ba			(C) Ar	eid as	well as ha	ase (D)	Neutral		
16) C	199		ction is not				,, ,	00		(D)	rivariai		
	121113	ormalde	(0.50)		etaldehyd				dehyde	(E	Trime	thyl- dehyde	
17) T	he solut	ion of w	hich acid i	s used fo	or the seas	soning o	f food	?				•	
	(A) F	ormic a	cid	(B) Ac	etic acid		(C) Be	enzoi	e acid	(D)	Butanoi	c acid	
	•		•	128	l 12	19 -	8500) (4)				

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			ite anything on this qu	uestion paper exc	ept your Roll No.	•
	19 (Inter Pa			-17 to 2017-19)		
	emistry (S		(Group II)	Paper (H)	(0
Tir	ne Allowed:	2.40 hours			Maximum Marks:	08
			Section		0 0 . 1/	
2.	Answer br	riefly any Eight p	parts from the follo	wings:-	$8 \times 2 = 16$	
(i)	Why alkal	i metals give ion	ic hydrides?			
(ii)	Write dow	m similarities of	hydrogen with grou	p IVA elements		
(iii)	Give justif	fication for the us	se of potassium supe	roxide in breath	ning equipments of space	e craits.
(iv)			ormulae of minerals	(a) Kaolin (b)	Cryonte	
(v)	Write dow	m the effect of he	eat on Boric acid.			^
(vi)	How kaoli	in differs from or	dinary clay? (vii)	Write two metho	ods of preparation of No	\mathcal{I}_2
(viii)	How nitro	us acid reacts wi	th $CO(NH_2)_2$ and C	$_6H_5NH_2$?		
(ix)			d is prepared on larg			
(x)		ndustrial importa		.1		
(xi)	Write dow	n the names of t	wo enzymes used in	the diagnosis o	of diseases.	
(xii)	How carbo	on monoxide acts	s as highly poisonou	is gas?		
3.	Answer br	riefly any Eight	parts from the folk	owings:-	$8 \times 2 = 16$	
(i)	What is vi	ital force theory,	why it was rejected.			
(ii)	Write stru	ctural formulas f	or the following cor	npounds (a) Bu	t-1-ene -3-yne (b) divin	yl acetylen
(iii)	What is R	aney Nickel. How	w it is prepared.			
(iv)	Write dov	vn the formulas o	f the followings (a)	Anthracene (l	b) Phenanthrene	
(v)	How will	you prepare 2,4,6	6-Trinitrotoluene fro	om benzene in to	wo steps.	
(vi)	What are	primary and terti-	ary alky! halides. Gi	ve one example	e each.	
(vii)	Write read	ction of ethyl mag	gnesium chloride w	ith methanal.		
(viii)	Write stru	ctural formulas	of the following con	spounds (a) Ca	rbolic acid (b) Glycero	ol .
(ix)	How ether	r is prepared by \	Williamson synthesi	s.		
,(x)	. Write stru	ctural formulas of	of the following con	pounds. (a) O	xalic acid (b) Malonic	acid
(xi)	Write any	four uses of Ace	etic acid. (xii) Wha	it are amino acid	ls, give their general for	mula.
4.	Answer by	riefly any Six pa	rts from the follow	ings:-	6 × 2 =	
(i)	Write any	two applications	s of a noble gas Arg	on. (ii) Justify	that HF is a weaker acid	I than HCL
(iii)	What is T	eflon. Give its ar	ny two uses. (iv) W	hy transition el	ements exhibits variable	valency.
(v)	Complete	the following re-	actions (a) Formalde	$ehyde + NaHSO_3$	— → (b) Acetone + NaH	$ISO_3 - \longrightarrow$
(vi)	Write Ind	ustrial method fo	r the preparation of	formaldehyde.		
(vii)	Write any	two points of di	fference between D	NA and RNA.		
(viii)	What is G	Hycogen? (ix) V	Vrite down difference	ce between poly	peptide and protein.	
, ,			Section	II		
Note:	Attempt a	ny three questio	ns.			(3 = 24)
5. (re the improveme	ents made in the Me	ndeleev's perio	dic table?	
	b) What is	the function of	calcium in plant gro	wth?		
1933	a) State th	e different rules	for naming the co-o	rdination compl	lexes according to IUPA	C system?
	b) What is	acid rain? How	does it affect our en	vironment?		
	a) Discuss	cis-trans isomer	ism, giving two exa	imples.		
	b) Describ	e the stability of	benzene on the basi	is of heat of hyd	lrogenation.	
8. (a) Write do	wn the reaction wi	th mechanism for the	preparation of alk	ene by Kolbe's Electrolytic	; method.
(b) How in	ethanol is prepare	d on industrial scale	? Why is it called	d wood spirit?	

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9. (a) Describe $S_N 2$ mechanism in detail. (b) What is ald of condensation? Discuss its mechanism.

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