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BE sem VII CBGS - Chem - Elect. II Polymer 10/12/2015

QP Code: 6021

		(3	Hours)	92±			Total Ma	arks = 80					1
	N.B.	(1) Qu	estion No 1	is comp	oulsory.					20			
		(2) Attempt any three questions out of remaining five questions.											2
		(3) Assumption made, if any should be clearly stated.											1
		(4) Figures to the right indicate full marks.											•
	0.1	Control of										14	4
	Q.1	· a)			•		-0.5	mer		* 8		05	3
		c)			d graft co	olymer deg	radation						
		d)				ellulose wi	4h	٠				× 05	
	Q.2	a)									en':	05	
	V.2	4)				of expressi					s? Derive	an 12	
		b)				ansition Te				23		£ 00	
			*		ocessing	unomon re	mperata	c (Ig) D	iscuss	rije sr.	inicance o	f 08	
Q.3	a)	DOMESTICAL MARKET		•	? Derive t	he rate e	mation fo	r addii	tion Co.		10		
	0.0		Polymer		\$			journoin 10	1 444	non co-	*	10	
		b)			vsheet ma	nufacturing	of polys	tyrens wi	th pro	perties a	and	10	
			applicati		4		*					1000	
	Q.4	a)	Explain	various r	nethods fo	or determin	ation of	Monomer	React	ivity Ra	tios	10	
		b)	- Bases - married St			Iding proces						10	
	*		relevant	sketch									
	Q.5	5 a) List different types of polymerization technique with their advantages and									10		
			disadvar	itages an	d briefly e	explain emu	lsion po	ymerizati	on tec	hnique			
		b)	What is	step grov	vth polym	erization a	nd explai	n in detai	l kinet	ics of st	ep growth	10	
			polymer	ization.	y			÷		000			
	Q.6	a)	Explain	post poly	/marizatio	on uint oper	ration in	detail tec	hnique	e for pol	lyester	10	
		Ì	manufac	turing:				9.5					į
		ь)	Explain	idea! and	azeotrop	ic copolym	erization					10	
						1127 341							

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