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POLYMERS

1.	Of the following wh	[CBSE AII	[CBSE AIPMT-2011]					
	1) Nylon-66	2) Terylene	3) Bak	elite	4) Melamine	;		
2.	Which type of polyn	mer is Bakelite?				[Guj.	CET-2011]	
	1) Addition polymer	2) Homopolymer	3) Con	densation poly	mer 4) Bi	opolymer		
3)	Neoprene is					[CI	PMT-2010]	
	1) A monomer of rul	ober 2) synthetic	rubber	3) natural rubb	per 4) vu	lcanized rubber		
4)	Teflon is a polymer	of				[CPMT, Guj.C	CET-2010]	
	1) Vinyl chloride	2) tetrachloro ethy	ylene	3) tetrafluoro	ethylene	4) butta-1,3-d	iene	
5.	Buna-N synthetic r	ubber is a copolyı	mer of:				(A-2009)	
	1) H ₂ C=CH-CH=Cl 3) H ₂ C=CH-CN and	_	=CH ₂	2) H ₂ C=CH-C 4) and H ₂ C=C	_	-CH-CH=CH ₂		
6.	Among the following substituted silanes the one which will gives rise to cross lippolymer on hydrolysis is							
	1) R ₄ Si	2) RSiCl		3) R ₂ SiCl ₂		4) R ₃ SiCl		
7.	Bakelite is obtained from phenol by reacting with						(A-2008)	
	1) (CH ₂ OH) ₂	2) CH ₃ CHO		3) CH ₃ COCH	^I 3	4) HCHO		
8.	The secondary stru	cture of a protein	refers t	to			(A-2007)	
	 Fixed configuration -helical backbone Hydrophobic interest Sequence of -amin 	ractions	de backt	oone				
9.	Which of the following is fully fluorinated polymer (A-							
	1) PVC	2) Thiokol	3) Tefl	on	4) Neoprene			

10.	0. Which of the following is a polymide?										
	1) Bakellite	2) Terylene	3)	Nylon-66	4) Teflon						
11.	Nylon threads are n	nade of				(A-2003)					
	 polyester polymer polyethylene polyn 		polyamide po polyvinyl poly	•							
12.	. Polymer formation from monomers starts by										
	1) condensation reaction between monomers 2) coordinate reaction between monomers 3) conversion of monomer to monomer ions by proton 4) hydrolysis of monomers										
13.	. If \overline{M}_w is the weight average molecular weight and \overline{M}_n is the number average molecular polymer, the poly dispersity index (PDI) of the polymer is given by										
		$2) \frac{\overline{M}_{w}}{\overline{M}_{n}}$			4) $\frac{1}{\overline{M}_{w} \times \overline{M}_{n}}$						
14.	. Which of the following is a biodegradable polymer										
	1) Polythene	2) Bakelite	3) PHBV		4) PVC						
15.	5. If the number average molecular weight and weight average molecular weight of a polyme 40,000 and 60,000 respectively, the polydispersity index of the polymer will be: (E-20										
16.	1) >1 The polymer contain	2) <1 ning strong int	3) 1 ermolecular	forces e.g. l	4) Zero hydrogen bonding,	is (A - 2010)					
	1) natural rubber	2) Teflon	3) nylon 6	5,6	4) polystyrene						
17.	7. Thermosetting polymer, Bakelite is formed by the reaction of phenol with 1) CH ₃ CH ₂ CHO 2) CH ₃ CHO 3) HCHO 4) HCOOH										
KEY											
	1) 2	2) 3 3) 2	4) 3 5)	2 6) 3	7) 4						
	8) 2	9) 3 10) 3	11) 2 12) 1 13) 2	14) 3						
	15) 1	16) 3 17) 3									