SEAT No			
DEMI NO	 	 -	

[36]

No of printed pages: 2

SARDAR PATEL UNIVERSITY

M.Sc. 2nd Semester (Surface Coating Technology) (CBCS) Examination Friday, 3rd November, 2017



Friday, 3 rd November, 2017						
Tim	۰.	40.00	PS02CSCT03: Coating Pr	roperties &	-	Marks: 70
			am to 1:00 pm allotted to the question are on its	RHS		IVIAI NS. 10
			ate your answer whereas necessar		elp of heat sketches and chemica	al equation
		_				
Q.1	Choose the correct Answer from the Followings:					
1		Stormer Paddle Viscometer gives viscosity in which unit?			unit?	[01]
		a)	Pascal's	b)	Kreb	
		c)	Stokes	d)	Poise	
2	2.	The yie	eld value is observed in	flow		[01]
		a)	Bingham	b)	Pseudo plastic	
		c)	Plastic	d)	Thixotropic	
3	3.	Readir	ngs at gloss head is re	elated to she	en.	[01]
		a)	20°	p)	85°	
		c)	60°	d)	All of the above	
4	ŀ.	Dry filr	n thickness depends on?			[01]
		a)	Viscosity	b)	%NVV _T	
		c)	% NVM	d)	Wt/ltr	
5	5.	. A paint has a wt/ltr = 1.2. What will be the weight of 5 L paint?			5 L paint?	[01]
		a)	6.0 kg	b)	5.6 kg	
		c)	6.2 kg	d)	5.8 kg	
6	3 .	Settlin	g is not observed in	.		[01]
		a)	Varnish	b)	Enamel	
		c)	Semi glossy Paint	d)	Primer	
7	7.	Floccu	lation is in context to			[01]
		a)	Breaking of emulsion	b)	Viscosity increases	
		c)	Poor wetting of pigment	d)	Gloss	
8	3.	3. Pick the odd one with respect to corrosion resistance test of coatings			e test of coatings	[01]
		a)	PAC	b)	Scratch Hardness	
		c)	Salt Water Immersion	d)	Salt Spray	
Q.2		Answ	er any seven of the Followings:	:	·	[14]
	1	How is	s wet film opacity checked by Pfur	nd cryptome	ter?	
	2	A pigmented coating has coverage 20 sq mtr/lit. What is the WFT? At 50% NVV_T , What				
		is DF1	r ?			
	2	T 1 - *	FD 4D 4 ! 4			

- 3 Explain 5B and 4B result in cross-cut adhesion test.
- 4 Give the main six causes of the coating failures.
- 5 Give the classification of different viscometer.