V. P. & R. P. T. P Science College, B.Sc. Industrial Chemistry (5th Semester) Internal Test MECHANICAL OPERATIONS

Date: 07/10/2017 Time: 11:00 a.m. to 12: 30 p.m.

Subject code:US05CICH05 Total Marks: 25

	Q.1				03
	1.				
		Poly.	Nylon cloths	d. none of these	
	11.	Sodium ethyl xanthate is a			
		a. Promotor b. Frothing agent c.	Collector	d. Surfactant	
	111.	The crusher in which movable jaw is pivoted at the top is			
		a. Dodge jaw crusher b. Blake jaw crusher			
		c. Roll crusher d. Gyratory crusher		100	
			(LIBI	LARY)	
	Q.2	Q.2 Answer the following in short (ANY TWO)			04
	I.	List different filter media.	VN	fargus /	
	II. Explain: Terminal settling velocity and Hindered settling.				
	111.	Write (1) Rittinger's law (2) kick's law			
	Q.3	Write a note on Plate and Frame filters.			
	Q.S				
		OR			
	Q.3	Write a note on Rotary drum filter.			06
	Q.4	Write a note on Hydraulic Jig.			06
		OR			
Q.4		Write a note on Laboratory batch sedimentation test.			06
	Q.5	Derive an equation for speed of ball mill.			06
		OR	w .		
					100000
	Q.5	With the help of diagram explain working of vibrating scr	eens.		06