P. Pages : 1 Time : Three Hours				★ 0 8 8 3 ★ Max. Max. Max. Max. Max. Max. Max. Max.	
	Note	es :	1. 2. 3.	All questions carry equal marks. Illustrate your answers wherever necessary with the help of neat sketches. Q. No. 1 is compulsory & solve any four from remaining.	
1.	Solve any four.				16
		a)	De	escribe the types of sieves.	
		b)	W	rite note on filter aid & filter media.	
		c)	Gi	ve official standards for powder.	
		d)	Gi	ve factors influencing solid mining.	
		e)	Sh	nort note on Bernoulli's theorem.	
2.		Define mining. Describe the mechanism of liquid-liquid and describe mining devices with flow pattern.			16
3.	a)		assif I mi	y size reduction equipment and explain principle, construction, working & uses of II.	8
	b)	De	fine	centrifugation. Classify centrifuge, give applications of centrifugation.	8
4.		Describe the construction and working of Belt conveyor system for solid transport.			16
5.	a)	Describe theory of filtration along with the factors influencing filtration.			8
	b)	Gi	ve ty	pes of filtration & describe meta filter.	8
6.		Ex	plair	n jet mixer & air jet mixer.	16
7.		Wı	rite a	short note on any four.	16
		a)	Re	eynolds theory.	
		b)	Fl	uid static	
		c)	Si	mple manometer	
		d)	Ro	otex Screen	
		e)	Dı	raw a neat sketch of sigma blade blender and give its working.	
