

			i) Total energy balance ii) Mechanical energy balance		
		Q.3	All Questions are compulsory		10
2	CO5	a	Write short notes on Drag coefficient & Shape Factor	Unit: 5	3
2	CO5	b	What is fluidization? Explain various types of fluidization. OR Explain the following equations a) Kozeny-Carman's equation b) Burke- Plummer equation		7
		Q.4	Attempt any two out of three questions		10
2	CO6	a	Explain flow patterns in agitated vessels and different methods used for prevention of swirling along with neat sketches	Unit: 6	5
2	CO6	b	Elaborate purposes of agitation in details along with neat sketch of agitated vessel.		5
2	CO6	C	Explain various types of impellers used for agitation along with neat sketches.		5
