QF	P CODE: 204008	eg.No:
	Second B.Pharm (Ayurveda) Degree Example 1	minations, October 2017
Pharmaceutical Engineering		
Tir	ne: 3 Hours	Total Marks: 100
Ess	 Answer all questions. 	(2x10=20)
1.	Define evaporation. Classify evaporators and expla forced circulation evaporator	in the construction and working of
2.	Explain the principles of centrifuge. Discuss the conadvantages and disadvantages of industrial centrifu	•
An	swer briefly:	(10x5=50)
3.	Reynold's number and its application	
4.	Overall heat transfer coefficient	
5.	Construction and working of ball mill	
6.	Principles of rectification	
7.	Explain drying rate curve	
8.	Construction and working of Swenson Walker cryst	allizer
9.	Theories of filtration	
10	.The types and applications of glass in pharma indu	stry
11	.Humidity chart and its application	
12	. Factors affecting size reduction	
She	ort notes:	(10x3=30)
13.	Define bound moisture and equilibrium moisture co	ntent
14.	Define Raoult's law and volatility	
15.	Kick's theory	
16.	Working of drum dryer	
17.	Differentiate forced convection and natural convect	ion
18.	Types of corrosion	
19.	Prevention of caking of crystals	
20.	Diaphragm pump	
	Working of screw conveyor	
22.	Kirchoff's law	
