QP CODE:204008		eg.No:
Second Year B.Pharm (Ayurveda) Degree Examinations, October 2014		
Pharmaceutical Engineering		
Time: 3	-	Total Marks: 100
_	 Answer all questions. 	(0.40.00)
Essays:		(2x10=20)
1.	What is the importance of crystallization in phathe working of Swenson-walker.crystallizer	armaceutical industries. Explain
2.	Describe the working of any two conveyors us powders	sed for the transportation of
Answer briefly: (10x5=50)		
3.	Define convection and mention the different ty	pes of convection
4.	Reynold's number of types of flow	
5.	Working of planetary mixer with a neat diagram	m
6.	Distinguish between filtration and configuration	n
7.	Azeotropic distillation.	
8.	8. Mc-cube thiele method method used to determine number of theoretical plates	
9.	Construction and working of single effect evap	oorator
10	10. What is corrosion. Mention the factors influencing rate of corrosion	
11	. Equipments used for mixing powders	
12. Narrate reasons for the uses of stainless steel and glass as a material of		
construction in pharmaceutical industries. Short notes:		(10x3=30)
10	Define equilibrium maieture centent of free me	,
	Define equilibrium moisture content of free mo	disture content
	Principle of simple manometer	
	15. Define Fourier's law with equation 16. Raoult's law	
		la.
17. Define and classify driers with suitable example18. What are filter aids		
	. Methods of preventing caking of crystals	
	. What are the applications of air conditioning	
	.Mechanism of dehumidification	
-22	.Working of rotary cutter mill with diagram	
