QP CODE:203008		Reg.No:
Second B.Pharm (Ayurveda) Degree Examinations, October 2015 Physical Pharmacy		
Time: 3	B Hours	Total Marks: 100
Essays:	 Answer all qu 	uestions. (2x10=20)
1.	Explain the principle and min a powder using Andrese	nethod involved in the determination of particle size on apparatus
2. Explain the various steps involved in accelerated stability studies Answer briefly: (10x5=50)		
3.	Describe two methods for	the evaluation of emulsion stability
4.	Define suspension. Differe	entiate flocculated and deflocculated suspension
5.	Solubility of liquid in a liquid	d with a suitable example
6.	Concept of Donnan membre equation	rane equilibrium with a suitable example and
7.	Working principle of cub ar	nd bob viscometer with diagram
8.	 Describe the air permeability method for the determination of surface area of a powder 	
9.	Process of detergency	
10. What is the importance of dissolution in drug absorption. Add a not on sink condition in dissolution		
11. How polymers effect on gel formation		
12. Compare the kinetics of first and pseudo first order reactions with example Short notes: ($10x3=30$)		
13	B. Define molecularity with ex	ample
14	14. Importance of diffusion in pharmacy	
15. Define wetting process. How is it useful in pharmacy		
16. Define angle of repose. What are its application in pharmacy		
17	17. Langmuir absorption isotherm	
18	B. Define lyophillic colloid with	n example. How are they stabilized.
19	19. Phase inversion with example	
20). Role of zeta potential in the	e formulation of suspension.
21	. Define solvent, solute, solu	ution

22. Newtonian flow with examples.