## Bachelor of Pharmacy (B. Pharm) Third Semester CBS (Old)

## **BP303 - Pharmaceutical Analysis-I**

P. Pages: 1 Time: Three Ho			ours * 0 8 7 3 *	GUG/W/18/1160 Max. Marks : 80	
	Notes	3	<ol> <li>All questions carry equal marks.</li> <li>Assume suitable data wherever necessary.</li> <li>Diagrams and Chemical equation should be given wherever necessary.</li> <li>Discuss the reaction, mechanism wherever necessary.</li> <li>Que. No. 1 is compulsory and solve any four questions from ren</li> </ol>		
1.	Solve any four questions.			16	
		a)	Why addition of Magnesium is necessary in the calcium determination	on.	
		b)	Explain the primary and secondary standards along with their uses.		
		c)	Write the scope and applications of the Pharmaceutical Analysis.		
		d)	Give the method for the assay of cearic ammonium sulphate.		
		e)	Write a note on conditions of Precipitation.		
2.		Explain the detection of end point by using visual indicator and instrumental methods in complexometric titrations.			
3.		Solv	ve the following.		
		a)	Discuss in detail about filtration of precipitate in gravimetric analysis	s. <b>8</b>	
		b)	Write a note on post precipitation and explain how can we minimize the of precipitate.	he contamination 8	
4.			e in detail account on solvents properties of solvent and leveling, difference examples.	erentiating affect 16	
5.	Solve the following.		ve the following.		
		a)	Explain the theory of oxidation Reduction reaction and give the prince procedure for potassium permanganate titration.	ciple and 8	
		b)	Write a note on redox indicators.	8	
6.		Disc	cuss in detail the steps involved in gravimetric analysis and Add note on	its Applications. 16	
7.	a)	Wha	at is buffer solution. Write its Application in Titrimetric Analysis.	12	
	b)	Wri	te in detail about pH.	4	

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