Bachelor of Pharmacy (B.Pharm) Seven Semester (CBS OLD)

BP703 - Pharmaceutical Analysis - IV

P. Pages: 1 Time: Three Hours			ours		GUG/W/18/1184 Max. Marks : 80	
	Notes: 1. 2. 3.		2.	All questions carry equal marks. Diagrams and Chemical equation should be given wherever necessary. Question No. 1 is compulsory. Solve any four questions from remaining	g.	
1.	Solve any four of the following.			16		
		a)	Ex	plain principle of mass spectrometry.		
		b)	Gi	ve ISO guidelines.		
		c)	Ex	plain about partition coefficient.		
		d)	Ex	plain factors affecting chemical shift.		
		e)	\mathbf{W}_{1}	rite about different ionization techniques in mass spectrometry.		
2.	a)	Explain in detail instrumentation of mass spectrometry. 10				
	b)	Wr	ite a	note on ICH guidelines.	6	
3.	a)	Wr	ite ir	n detail instrumentation of NMR spectroscopy.	8	
	b)	Wr	ite a	bout Radioimmunoassay.	8	
4.		Wr	ite ir	detail principle, instrumentation & methods of x-ray diffraction.	16	
5.	a)	Wh	at is	liquid-liquid extraction? Explain factors affecting extraction.	8	
	b)	Wr	ite sl	hort note on photocolorimetry.	8	
6.		Wr	ite n	ote on :		
		a)	Kj	eldahl's method of Nitrogen estimation.	8	
		b)	Va	alidation of analytical instruments & methods.	8	
7.		Wr	ite n	ote on any two.	16	
		a)	Ele	ectrophoresis.		
		b)	GI	"P		
		c)	Do	ocumentation and Record Keeping.		