## Bachelor of Pharmacy IV Year (B.Pharm) Seven Semester (Old-CBS) BP706 - Industrial Pharmacy

P. Pages : 1 Time : Three Hou			Hours	GUG/W/18/1187 Max. Marks : 80
	Note	s :	<ol> <li>All questions carry equal marks.</li> <li>Illustrate your answers wherever necessary with the help of neat s</li> <li>Que. 1 is compulsory &amp; solve any four from following.</li> </ol>	ketches.
1.	Solve an		lve any four from followings.	16
		a)	Differentiate between primary and secondary packaging.	
		b)	Give significance of pilot plant study.	
		c)	State the safety measure in pharma Industries.	
		d)	Write about propellant.	
		e)	Draw neat label diagrams of different containers and explain.	
		f)	Give concept of optimization.	
2.	a)	Ex	plain pilot plant scale up for ointment.	8
	b)	W	rite in brief organization and personnel requirement for GMP.	8
3.		De	scribe evaluation of pharmaceutical Aerosol.	16
4.	a)	Ex	plain Hydrolytic resistance test for glass containers.	8
	b)	W	rite in brief closures used in pharmaceutical packaging.	8
5.		W	rite a short note on <b>any two.</b>	16
		a)	Optimization parameter.	
		b)	Blister packaging & strip packaging.	
		c)	Regulatory objective of cGMP.	
6.		Ex	plain Formulation aspect of Pellets.	16
7.		W	rite a short note on <b>any two.</b>	16
		a)	Hazards due to mechanical equipment & its safety measurement.	
		b)	Production and process of cGMP.	
		c)	Cold fill process.	

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