Bachelor of Pharmacy (B.Pharm) III rd Year Fifth Semester (CBS-Old) **BP506 - Biopharmaceutices**

	ages : 1 e : Thre		Iours * 0 8 8 8 *	GUG/W/18/1175 Max. Marks : 80
	Notes	4	 All questions carry equal marks. Questions No. 1 is compulsory and Solve any four from remains. Illustrate your answers wherever necessary with the help of near 	
1.	Solve any four.			16
		i)	Biopharmaceutical classification System.	
		ii)	Concept of clearance.	
		iii)	Carrier mediated transport.	
		iv)	Volume of Distribution.	
		v)	In-Vitro. In vivo correlation.	
		vi)	P ^H - partition hypothesis.	
2.		Def	fine Bioavailability. Give its purpose and methods to determine it.	16
3.		Discuss cell membrane structure and physiology. Discuss <u>Passive</u> Diffusion method for absorption.		
	b)	Disc	scuss about Renal Excretion process.	8
4.	a)	Exp	plain Rate and order of Reaction.	8
	b)	Wri	ite note on Plasma-Protein binding in detail.	8
5.	a)	Disc	scuss about factors affecting drug distribution.	8
	b)	Wri	ite note on Non-oral route of drug absorption.	8
6.	a)	Def	fine Biotransformation. Explain Glucuronide conjugation reaction.	8
	b)	Exp	plain about applications of prodrugs.	8
7.		Disc	scuss factors affecting protein binding and kinetics of protein binding	16
