Registration No:														
Total Number of Pages : 02										B.Pharm PH.3.1				
	,	Answer Quest The	3 rd Se ion No. figures	P E 1 whi	HAR BRAN Ma Tir Q.C ch is	MACICH: x Mane: ODE	EUT B.P Irks 3 Ho : HE	ICS harm 70 urs 3520 sory	- II na and	any	FIVE		the re	
Q1	a) b) c) d) e) f) g) h) i)	Answer the following questions: What are liquid crystals What is BET adsorption isotherm? Write its significance Isotonicity must be maintained incase of ophthalmic and parenteral preparation. True / False. Justify How polymorphs influence pharmaceutical dosage form development explain. Define and differentiate between sublimation and deposition. Give examples of any two agents exhibiting sublimation What do you mean by buffer capacity, write the equation to determine it What are surface active agents give example of any two of them Define eutectic mixture. Write down the equation of Henderson- Hasselbalch equation Write any two applications of complexation in pharmacy										(2 x 10)		
Q2	a) b)	· · ·												(5) (5)
Q3	a) b)	Write short note on Freundlich Adsorption isotherm Differentiate between solids and liquids. Write a note on kinetic theory of gase									gases	(5) (5)		
Q4	a) b)	Write note on partition coefficient What do you mean by HLB. Analyze its role in selection of surface active agent for development of suspension or emulsion									gents	(5) (5)		
Q5	a) b)										(5) (5)			
Q6		Write the princi								amic	s. De	rive equ	uation	(10)
Q7		What is CMC′ containing liqui			•								•	(10)
Q8	a) b) c)	Write short ar Measurement of Buffered isotor Van'stoff equal	of tonicity nic syster	/ m			on ed	ιμatio	n					(5 x 2)