



UNIVERSITY OF JAFFNA BACHELOR OF PHARMACY

FOURTH YEAR SECOND SEMESTER EXAMINATION — JULY 2015 PHAAP 4201 ADVANCED PHARMACEUTICS - PAPER II

Time: 02 Hours Date: 07.07.2015.

ANSWER TO ALL SIX QUESTIONS

1.			
	1.1	Briefly describe the pH partition theory for the transport of drugs across biological membrane.	(50 Marks)
	1.2	Write a note on pilot pharmaceutical plant scale up technique.	(50 Marks)
			(0000000)
2.			
	2.1	What are the storage conditions for various durations for the	(2034-4-)
	2.2	stability studies of drugs according to ICH guidelines? Explain how bioavailability of drugs are affected by	(30 Marks)
	2.2	2.2.1. presystemic metabolism.	(30 Marks)
		2.2.2. excipients present in the dosage form	(40 Marks)
3.	2.1	What is mixed function oxidase?	(10 Marks)
	3.1	Give five examples for the oxidative metabolism of drugs.	(30 Marks)
	3.3	Explain the role of chemical factors in the biotransformation of	(50 Marks)
	0.0	drugs.	(60 Marks)
4.		Write an account on	
	4.1	common ingredients used in the face powder.	(50 Marks)
	4.2	moisturizer.	(50 Marks)
5.			
٥.	5.1	Describe the importance of solubility analysis in the	
		preformulation studies.	(40 Marks)
	5.2	Explain the role of lubricants in the tablet formulations.	(40 Marks)
	5.3	List five materials used as plastic packaging.	(20 Marks)
6.		and the same of th	
0.	6.1	Briefly describe the degradation of drugs by oxidation and	
		hydrolysis during storage with examples.	(70 Marks)
	6.2	List the degradation pathways of drugs during storage other	
		than oxidation and hydrolysis.	(30 Marks)