UNIVERSITY OF JAFFNA, SRI LANKA BACHELOR OF PHARMACY

FOUTH YEAR SECOND SEMESTER EXAMINATION – MARCH 2019 PHAAP 4214 ADVANCED PHARMACEUTICS – PAPER II

Date: 19.03.2019 Tin Answer all six questions		e: 02 Hours	
1.	iswer an six questions		
1.	1.1. Explain the factors that affect the biotransformation of drugs.1.2. Explain the	(40 marks)	
	1.2.1 conjugation with glucuronic acid.	(30 marks)	
	1.2.2 conjugation with glutathione.	(30 marks)	
2.			
	2.1. Briefly explain how dipilatories act in different ways.	(30 marks)	
	2.2. Describe the different formulations additives used in		
	2.2.1. lipstick formulations.	(40 marks)	
	2.2.2. nail lacquers.	(30 marks)	
3.			
	3.1. Describe the properties of different types of plastics that are used in the		
	packaging of pharmaceuticals.	(40 marks)	
	3.2. Explain the role of antioxidants in the protection of pharmaceuticals?3.3. Describe the significance of hygroscopicity test in the preformulation	(40 marks)	
	studies.	(20 marks)	
4.			
	4.1. Describe the direct methods that are used to determine the bioavailabilit	The section Court Letter	
	of drugs.	(40 marks)	
	4.2. Explain the different steps involved in the pilot plant scale up technique	s. (60 marks)	
5.			
	5.1. Write the importance of stress testing of active pharmaceuticals.	(20 marks)	
	5.2. Describe the good manufacturing practice (GMP) for the following in pharmaceutical industry.		
	5.2.1 Personal hygiene	(20 marks)	
	5.2.2 Premises	(60 marks)	
6.	Write an account on		
	6.1. non linear pharmacokinetics.	(40 marks)	
	6.2. salivary excretion of drugs.	(30 marks)	
	6.3. retrospective validation.	(30 marks)	