UNIVERSITY OF JAFFNA BACHELOR OF PHARMACY

FOURTH YEAR SECOND SEMESTER EXAMINATION – SEPTEMBER 2018 PHAAP 4214 ADVANCED PHARMACEUTICS – PAPER II

Date: 17.09.2018. Time: 02 Hours

Answer All Six Questions.

1.	Describe the different			
	1.1	.1 factors that affect the hepatic clearance of drugs.		(50 Marks)
	1.2			(50 Marks)
2.				
	2.1 Explain the role of following in the metabolism of drugs.			
		2.1.1	Microsomal enzymes	(30 Marks)
		2.1.2	Conjugation reactions	(30 Marks)
1	2.2			
		2.2.1	What is meant by 'pharmacokinetic compartment model'?	(10 Marks)
		2.2.2	Enumerate the conditions under which one compartment model is	
			applicable.	(30 Marks)
3.	Des	scribe the		
	3.1	3.1 different types of synthetic detergents used in the shampoo formulations		(40 Marks)
	3.2	3.2 functions of different formulation additives used in the tooth paste		
		for	mulations.	(60 Marks)
4.				
	4.1			(30 Marks)
	4.2	Des	scribe the different methods that are used to prevent chemical	
		deg	gradation of drugs.	(70 Marks)
5.	. Define and explain the role of following in pharmaceutical manufacturing.			
	5.1		ot plant scale up	(40 Marks)
	5.2	Pha	armaceutical validation	(30 Marks)
	5.3	Sta	bility testing	(30 Marks)
6.	•			
	6.1		iary excretion of drugs	(40 Marks)
	6.2		od Manufacturing Practice guidelines for "production and process	
		cor	ntrol"	(60 Marks)

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