FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA THIRD EXAMINATION FOR MEDICAL DEGREES PART II - JULY 2008.

PHARMACOLOGY - PAPER 1

Answer ALL FOUR questions Answer EACH PART in a SEPARATE BOOK

2.3.2. Diabetic ketoacidotic coma

Friday 18th July 2008 9,00 a.m. - 11,00 a.m. (2 hours)

PART A

1.	1.1. 1.1.1. 1.1.2.	List the TEN essential features of a controlled children of a sing-	(20 marks) (10 marks)
	1.2.	<u>Describe</u> briefly the advantages and disadvantages of using generic names of drugs compared to the use of brand (trade) names.	(30 marks)
	1.3.	<u>Describe</u> the factors affecting the bioavailability of a drug. Illustrate your answer with examples.	(40 marks)
2.	2.1.1. 2.1.2.	<u>Describe</u> the mechanism of action of the following drugs. morphine chlorpromazine diazepam	(10 marks) (10 marks) (10 marks)
	2.2.	<u>List THREE clinical uses of each of the three drugs above.</u>	(20 marks)
	2.3. 2.3.1.	Describe briefly the drug treatment of the following conditions, indicating the doses, route of administration and precautions to be taken. Acute anaphylactic shock	(25 marks) (25 marks)

PART B

3. Expla	in the pharmacological basis for the use of		
3.1. 3.2. -3.3.	digoxin in atrial fibrillation. pioglitazone in type 2 diabetes mellitus. levedopa and carbidopa in parkinsonism.	(30 marks) (30 marks) (40 marks)	

PART C

Describe the mechanism of action and list the clinical uses, adverse effects and contraindications, of the following drugs.

.1. 12. 13	streptokinase gentamicin	A = A.v. V	(35 marks) (35 marks) (30 marks)
	frusemido	B = Bics.	