



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE THIRD EXAMINATION FOR MEDICAL DEGREES PART II - JANUARY 2013 PHARMACOLOGY PAPER I

Answer all the questions.

Answer each part in separate answer book.

31st of January 2013 (9.00 to 11.30 am) 2 ½ hours

(10 marks)

Part A (30 marks) 1.1. Name two therapeutic indications for the following drugs. .1.1. Amiodarone 1.1.2. Methotrexate 1.1.3. Frusemide Salbutamol .1.5. Atropine 1.1.6. Metronidazole (15 marks) 1.2. List two side effects of each of the drugs mentioned in 1.1. 1.3. Indicate two precautions you would take in prescribing one of the drugs mentioned (10 marks) in 1.1; -1.4. Briefly describe the mode of action of three drugs mentioned in 1.1. (45 marks) 2. 2.1. Write notes on the following, (30 marks) √2.1.1 Therapeutic index (30 marks) 2.1.2 Non-steroidal anti-inflammatory drugs. 2.2 List the clinical uses, adverse effects and contraindications of morphine. 2.2.1 (30 marks) Indicate the precautions you would take when prescribing morphine.

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V	Part B	•
$\sqrt{3}$ A	17year-old school girl with a history of recurrent attacks of wheezing was a	idmitted to a
	nospital with features of acute severe asthma.	
	1. Briefly describe the emergency management of this patient including the	names, routes
(d) 34.	of administration and doses of medications.	(60 marks)
3/	2. List two medications useful in the long term management of asthma in the	nis patient. (20 marks)
U	to the annual mentioned in 3.2 and mention	
13	3. List adverse effects of the mediations you mentioned in 3.2 and mention	(20 marks)
	advice the patient to minimize them.	120 111111111
	Part C	
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4. D	Describe the pharmacological basis for the use of	
1/4	.1 tolbutamide in type 2 diabetes mellitus.	(25 marks)
1.4	.2 N-acetylcysteine in paracetamol poisoning.	(25 marks)
274	.3 cimetidine in peptic ulcer disease.	(25 marks)
J.A	.4 metoclopramide in drug induced vomiting. D2 - acrtogon/5+	(25 marks)
14	1 Ach	
5	A 64 year-old male was admitted to coronary care unit with severe retro-ste	rnal chest pain
ď	of two hours duration. He had an ischaemic stroke two years ago. On exami	nation his blood
ŗ	pressure was 150/92 mmHg and he had fine basal crepitation in both lungs.	His ECG
S	showed ST elevation in leads V1 to V6.	
	in an allow are indicated for this notion during south set	ing explaining
\ 5	5.1. List four medications that are indicated for this patient during acute set	(40 marks)
\	the reasons for choosing them.	
ļ	5.2. Indicate the mechanism of action, administration and two adverse effective	cts of each of the
`	four drugs you mentioned in 5.1	(40 marks)

four drugs you mentioned in 5.1

5.3. Briefly describe the mode of action of two antianginal drugs.

1.

(20 marks)