

MEAD

BEFARTMENT OF PHARMACOLOGY

RABULTY OF HEDICINE

WIN WESTLY OF RUHUNA

WARAPITIYA

GALLE.

UNIVERSITY OF RUHUNA- FACULTY OF MEDICINE THIRD EXAMINATION FOR MEDICAL DEGREES (PART II) - DECEMBER 2011 PHARMACOLOGY PAPER I

2 1/2 HOURS	Answer all	l questions.
Time - 9.00 a.m 11.30 a.m. Answer each part in a separate book.		
	Part A	
contraceptive pills. 1.2 Briefly explain the precaut contraceptive pills.	dvice to a female who was prescribed a pack of ions and the contraindications in using combin f lipid lowering drugs. and clinical indications of lipid lowering drugs y	ed oral (20 marks) (15 marks)
2. 2.1 Describe the pharmacolo 2.1.1 digoxin in atrial fit 2.1.2 levodopa and cart 2.1.3 heparin in the ma 2.2. Describe the mode of ac	orillation. Didopa in parkinsonism. Anagement of acute coronary syndrome.	(25 marks) (25 marks) (25 marks) (25 marks)

Part B

- 3. A 70 year- old man with hypertension and ischaemic heart disease presented with severe shortness of breath of 6 hours duration. He gave a history of nocturnal dysphoea for the last one week. Examination showed elevated JVP, bilateral ankle oedema, central cyanosis and BP of 170/110 mmHg. Crepitations were heard in both lung fields up to the mid zones. Third heart sound was heard over the precordium.
 - 3.1 List three drugs that you would use in the acute management of this patient.

(15 marks)

3.2 Explain the pharmacological basis of using the drugs you mentioned in 3.1.

(45 marks)

3.3. List three drugs which will be used for the long- term management of this patient giving reasons for your selection. (25 marks)

3.4 List the side effects of the drugs you have mentioned in 3.3.

(15 marks)

4.

4.1 Describe the pharmacological basis for the use of

4.1.1 terbutaline in bronchial asthma.

(30 marks)

4.1.2 atropine in organophosphate poisoning.

(30 marks)

4.2 Describe the advantages of using preferential or selective COX-2 inhibitors over non selective COX-2 inhibitors as an analgesic. (40 marks)

Part C

5. A 55 year-old male (Ex- alcohol abuse) presented to a clinic with bilateral oedema in lower limbs and ascites of two months duration. Ultrasound scan revealed a shrunken liver and splenomegaly. Diagnosis was made as chronic liver disease with portal hypertension.

5.1 List three drugs which can be used to treat this condition.

(15 marks)

5.2 Three months later the same patient was seen at the Emergency Treatment Unit with haematemesis and malena. On examination, he was drowsy and detected to have flapping tremors.

5.2.1 State **two** drugs which can be used to prevent further bleeding.

(10 marks)

5.2.2 Briefly discuss the pharmacological basis of using the drugs stated in 5.2.1.

(30 marks)

5.2.3 State **two** drugs used to prevent further deterioration of level of consciousness.

(10 marks)

5.2.4 Briefly discuss the pharmacological basis of using the drugs stated in 5.2.4. 3

(35 marks)