



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME

SECOND B PHARM PART II EXAMINATION- JUNE 2013

PH2232: PHARMACOLOGY II - SEQ

TIME: 10.30 a.m.- 12.30 noon

1. A 56-year old male was admitted with features of heart failure.

1.1 List **three** drugs / drug groups which can be used in this patient during acute setting.

(15 marks)

.....
.....
.....
.....

1.2 Explain the pharmacological basis of using **one** of the drugs you mentioned in 1.1.

(25 marks)

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

1.3 While in the ward, he became more short of breath and tachycardiac. His electrocardiogram (ECG) shows evidence of atrial fibrillation. Mention **one** drug which can be used in this setting to control his atrial fibrillation and briefly describe the reason for your choice.

(30marks)

.....
.....
.....
.....

2. (10 marks)

2.1 List four different groups of drugs used in the pre-anacsthetic medication. (10 marks)

.....
.....
.....

2.2. Indicate the therapeutic objectives of giving two groups of drugs you mentioned in 2.1. (20 marks)

..... (20 marks)

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

2.3 Compare the mode of action of streptokinase with reteplase. (20 marks)

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....

2.4 Indicate the pharmacological basis of using sumatriptan in an acute episode of migraine.

(10 marks)

(20 marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

2.5 List two peripheral decarboxylase inhibitors.

(10 marks)

.....

.....

2.6 Indicate the mode of action of

2.6.1 Selegiline

(10 marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

2.6.2 Tolcapone

(10 marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

3. Discuss briefly the adverse effects of Non Steroidal Anti Inflammatory Drugs (NSAIDs)

3.1 List **four** groups of drugs that are used in treating arthritis giving examples to each category.

(10 marks)

.....

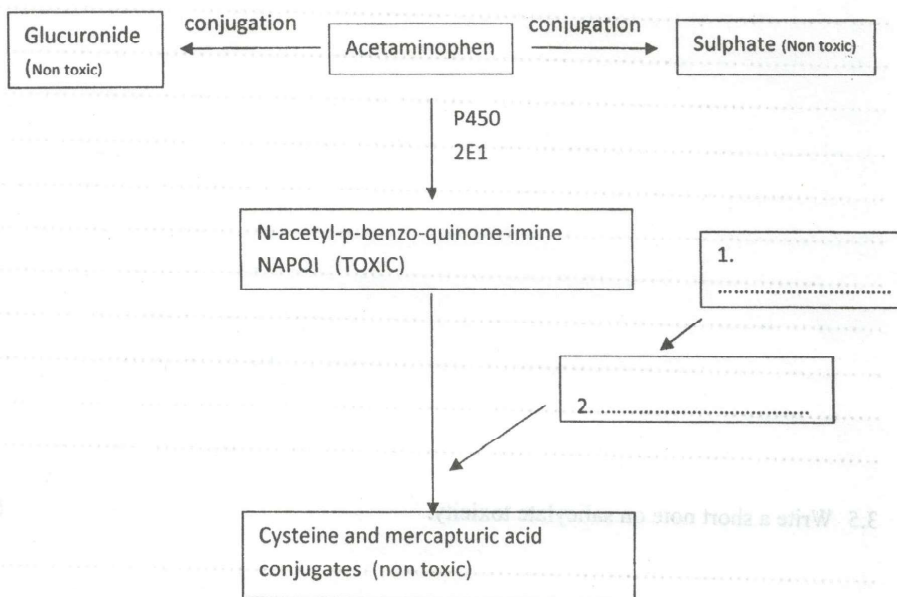
.....

.....

.....

3.2 Complete the following diagram.

(10 marks)



3.3 Briefly explain the mechanism of action of Allopurinol.

(20 marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

3.4 Discuss briefly the adverse effects of Non Steroidal Anti Inflammatory Drugs (NSAIDs) and state how you would advise a patient on dispensing. **(30 marks)**

.....

.....

.....

.....

.....

.....

.....

.....

.....



3.5 Write a short note on salicylate toxicity. **(30 marks)**

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

4. (10 marks)

Briefly describe the adverse effects given for a patient on lithium carbonate.

4.1 List **three** typical antipsychotic drugs. **(15 marks)**

.....
.....
.....
.....

4.2 List **three** main side effects of **one** of them. **(15 marks)**

.....
.....
.....
.....

4.3 Briefly describe the difference between typical and atypical antipsychotic drugs. **(20 marks)**

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

4.4 List **four** clinical indications for benzodiazepines. **(20 marks)**

.....
.....
.....
.....

4.5 Briefly describe advice given for a patient on lithium carbonate.

(30 marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

@@@

.....

.....

.....

.....

.....

