



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME

THIRD BPHARM PART II EXAMINATION – OCTOBER 2014

PH 3212: PHARMACOLOGY IV AND TOXICOLOGY (SEQ)

TIME: TWO HOURS

INSTRUCTIONS

- Answer all questions.
- No paper should be removed from the examination hall.
- Do not use any correction fluid.

1.

- 1.1. Indicate the triple pharmacological response of serotonin on blood vessel.
(10marks) List one clinical indication of following serotonin modifiers.

- | | |
|--------------------|----------|
| 1.1.1. Buspirone | (5marks) |
| 1.1.2. Ergotamine | (5marks) |
| 1.1.3. Clozapine | (5marks) |
| 1.1.4. Ondansetron | (5marks) |

- 1.2. List two over the counter drugs listed in the following subgroups.

- | | |
|--------------------------------------|-----------|
| 1.2.1. Dietary supplements | (5 marks) |
| 1.2.2. Minor analgesics | (5 marks) |
| 1.2.3. Gastrointestinal formulations | (5 marks) |

- 1.3. Describe the precautions you would take as a community pharmacist to prevent the over the counter drug medication toxicity.

(30marks)

- 1.4. Describe the pharmacological basis of using etanercept in rheumatoid arthritis

(25marks)

2.

- 2.1. List the drugs used for the treatment of osteoporosis

(25marks)

- 2.2. As a clinical pharmacist how can you advice on drug care and life style changes to reduce the signs and symptoms of osteoporosis?

(30marks)

- 2.2. List the calcium preparations available in community pharmacy

(20marks)

- 2.3. List the different types of drug groups used in the treatment for subfertility

(10marks)

- 2.4. Compare the mode of action of Gonadorelin with Goserelin

(15 marks)

3. Write short notes on the following

- 3.1. Fixed dose combination tablets (25 marks)
- 3.2. Direct observed treatment (25 marks)
- 3.3. Over the counter prescription with paracetamol (50 marks)

4.

- 4.1. List **four** types of heavy metal poisoning you would see at the hospital (20 marks)
- 4.2. Write the
 - 4.2.1. storage of antivenom serum (20 marks)
 - 4.2.2. monitoring of antivenom therapy (20 marks)
- 4.3. Write **two** drugs used in management of organophosphate poisoning (10 marks)
- 4.4. Explain the way you assist to your doctor as a hospital pharmacist to monitor the treatment of organophosphate poisoning (30 marks)