



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME

THIRD BPHARM PART I EXAMINATION – NOVEMBER 2014

PH 3153: PHARMACOLOGY III (SEQ)

TIME: THREE HOURS

INSTRUCTIONS

- Answer all questions.
- No answer sheet should be removed from the examination hall.
- Use illustrations where necessary.

1. A 27yr old female who was on long term wafarin therapy was added with erythromycin 500 mg tablets for her long standing acne. Since the patient complains about the size of the tablet her mother advised her to break the tablet and ingest.

1.1 Describe the mode of action of erythromycin in this patient. (30 marks)

1.2 If you are the pharmacist on duty how would you advise this patient? (70 marks)

2. A 30y old patient was given triple therapy for her long standing peptic ulcer disease.

2.1 List the components of triple therapy. (15 marks)

2.2 Describe the modes of action of the drugs you have mentioned in (2.1) (70 marks)

2.3 List two common adverse effects of each drug you have mentioned in (2.1) (15 marks)

3.

3.1 Describe your duties as clinical pharmacist after prescription of heparin therapy to an in-ward patient. (20 marks)

3.2 List four groups of antiplatelet drugs giving example for each group. (20 marks)

3.3 Describe the mode of action of abciximab (20 marks)

3.4 State mode of action of fondaparinux (20 marks)

3.5 Describe the steroid ladder pattern giving examples for each group. (20 marks)

- 4.
- 4.1. State the mode of action of Alendronate (20 marks)
 - 4.2. Describe your duties as community pharmacist when handing over the treatment pack of alendronate to a patient at the out patient clinic. (30 marks)
 - 4.3. List the calcium preparations available in the pharmacy. (10 marks)
 - 4.4. Compare the safety of streptokinase with urokinase (25 marks)
 - 4.5 Compare Gonadorelin with Goserelin (15 marks)
5. Describe the pharmacological basics of using
- 5.1 Oral rehydration solution (ORS) in moderate dehydration due to diarrhea (25 marks)
 - 5.2 Ringer lactate in severe vomiting (25 marks)
 - 5.3 Lactulose in hepatic encephalopathy (25 marks)
 - 5.4 Bromohexin in acute bronchitis (25 marks)
- 6.
- 6.1 List three types of insulin and give 2 examples for each (15 marks)
 - 6.2 List 3 clinical indications for insulin. (15 marks)
 - 6.3 Give 3 important adverse effects of insulin. (10 marks)
 - 6.4 Name two methods of administering insulin (5 marks)
 - 6.5 Describe the advantages and disadvantages of the methods you mentioned in 1.4 (25 marks)
 - 6.6 Describe how you would advise to a patient who was given an insulin therapy for the first time as the pharmacist? (30 marks)