



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME

THIRD BPHARM PART II EXAMINATION – OCTOBER 2014

PH 3223: PHARMACOTHERAPEUTICS (SEQ)

TIME: TWO HOURS

INSTRUCTIONS

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

1. A 40 year old woman was diagnosed to have pulmonary tuberculosis.

- 1.1 Name **four** oral drugs used to treat this patient in the initial stage. (20marks)
- 1.2 State **one** main side effect of each drug mentioned in 1.1. (10marks)
- 1.3 What are the known possible drug interactions associated with anti TB therapy? (10marks)
- 1.4 Describe briefly the pharmacological basis for using **one** of the drugs mentioned in 1.1. (25marks)
- 1.5 List **three** drugs/groups of drugs that can be used as 2nd line anti TB therapy. (15marks)
- 1.6 Describe briefly how you would advise a patient who was prescribed on anti TB therapy. (20marks)

2.

2.1 Write short notes on followings

- 2.1.1 Metformin therapy in a patient with type 2 diabetes mellitus (15marks)
- 2.1.2 Use of digoxin in atrial fibrillation (15marks)
- 2.1.3 Use of captopril in treatment of hypertension (20marks)

2.2

- 2.2.1 List **three** mood stabilizers. (15marks)
- 2.2.2 List **two** main side effects of each of them mentioned in 2.2.1. (15marks)
- 2.2.3 What is the side effect related to the mechanism of action of antipsychotic drugs? (10marks)
- 2.2.4 Name a drug that is used to treat the condition mentioned in 2.2.3. (10marks)

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3.

3.1 List **four** categories of drugs used in the treatment of hypertension with **one** example to each category. (25marks)

3.2 Describe the pharmacological basis behind the use of spironolactone in Conn's syndrome. (30marks)

3.3 List the side effects of spironolactone. (25marks)

3.4 Name **two** other conditions where spironolactone is useful in the management. (20marks)

4.

4.1

4.1.1 List the drug categories which are used to treat peptic ulcers with **one** example to each category. (25marks)

4.1.2 List **three** main side effects of cimetidine. (20marks)

4.2

4.2.1 List **four** aetiological factors for osteoporosis. (25marks)

4.2.2 What are the advices that should be given to a patient who was started on alendronate recently for osteoporosis. (30marks)