



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME

SECOND BPHARM PART II EXAMINATION – JUNE 2016

PH 2232 –PHARMACOLOGY II (SEQ)

TIME: TWO HOURS

INSTRUCTIONS

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

1.
 - 1.1. Describe the pharmacological basis of using metoclopramide in an acute attack of migraine. (30 marks)
 - 1.2. List pharmacodynamics of ergotamine. (20 marks)
 - 1.3. Explain why dihydroergotamine is safer than ergotamine in an acute attack of migraine. (30 marks)
 - 1.4. List contraindication of ergotamine. (20 marks)

2.
 - 2.1. Compare and contrast benzodiazepines and barbiturates. (60 marks)
 - 2.2. Discuss the adverse effects of anxiolytics. (40 marks)

3. A 40 year-old woman with rheumatoid arthritis (RA) is prescribed an NSAID and methotrexate.
 - 3.1. State the therapeutic effects of NSAIDs in rheumatoid arthritis. (10 marks)
 - 3.2. Explain briefly the mechanism of anti-inflammatory action of NSAIDs. (20 marks)
 - 3.3. Write an example for acetylated salicylates and two examples for cox-2 selective inhibitors. (10 marks)
 - 3.4. State the adverse effects of NSAIDs. (20 marks)
 - 3.5. What do DMARDs stand for? Classify DMARDs with examples. (20 marks)
 - 3.6. Explain the mechanism of action of methotrexate? (20 marks)

4.
 - 4.1. Classify the drugs used in premedication with examples. (30 marks)
 - 4.2. Write a pharmacological basis of using etomidate as an induction agent for a patient admitted with road traffic accident. (40 marks)
 - 4.3. Describe briefly the adverse effects of lignocaine. (30 marks)

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