



**UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE**

**ALLIED HEALTH SCIENCES DEGREE PROGRAMME**

**THIRD BPHARM PART II EXAMINATION – JUNE/JULY 2016**

**PH 3212 PHARMACOLOGY IV & TOXICOLOGY- (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. Write short notes on followings.
  - 1.1. Lepra reactions (25 marks)
  - 1.2. Rifampicin (25 marks)
  - 1.3. Multiple drug usage in treatment of tuberculosis (50 marks)
  
2.
  - 2.1. List pharmacodynamics of alcohol. (20 marks)
  - 2.2. Describe the pharmacological basis of using acamprosate in prevention of relapse of alcohol abstinence syndrome. (30 marks)
  - 2.3. As a clinical pharmacist,
    - 2.3.1. state the importance of identification of lithium toxicity. (20 marks)
    - 2.3.2. describe how you would identify lithium toxicity clinically. (30 marks)
  
3.
  - 3.1. Describe the mechanism of action of acyclovir. (20 marks)
  - 3.2. List the clinical use/s of
    - 3.2.1 interferon alfa
    - 3.2.2 interferone beta
    - 3.2.3 interferone gamma (20 marks)
  - 3.3. Explain the reason/s of co-administration of probenecid with cidofovir. (20 marks)
  - 3.4.
    - 3.4.1. What is HAART therapy? (20 marks)
    - 3.4.2. Name five classes of HAART with an example for each class. (20 marks)
  
4.
  - 4.1. State the causes, symptoms and drugs used to treat
    - 4.1.1 hypercalcemia
    - 4.1.2 hypocalcemia. (30 marks)
  - 4.2. List the consequences of using excessive calcium and vitamin D. (10 marks)
  - 4.3. A 55 year-old female with osteoporosis was prescribed a bisphosphonate.
    - 4.3.1. Describe the mode of action of bisphosphonates. (25marks)
    - 4.3.2. Name three examples for bisphosphonates. (10 marks)
    - 4.3.3. How you would advise a patient, who was prescribed bisphosphonate on its use? (25 marks)

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