



**FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE.**

Third Examination for Medical Degrees (Part II) – April 2002

**PHARMACOLOGY - PAPER I**

Tuesday 23<sup>rd</sup> April, 2002

2 hours

Answer ALL FOUR Questions.

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1. Write the pharmacological basis for the use of
  - 1.1 Atropine in organophosphate poisoning. (25 marks)
  - 1.2 Cimetidine in peptic ulcer. (25 marks)
  - 1.3 Levodopa in Parkinsonism. (25 marks)
  - 1.4 Chloroquine in *Plasmodium vivax* malaria. (25 marks)
  
2. Describe the management of the following conditions, giving the reasons for the use of the drugs you mention. Indicate any precautions in the use of the drugs.
  - 2.1 Acute severe bronchial asthma. (50 marks)
  - 2.2 Hyperglycaemic ketotic diabetic coma. (50 marks)
  
3. Write notes on the following:
  - 3.1 Bioavailability of a drug. (35 marks)
  - 3.2 Adverse effects of long term steroid therapy and precautions to be taken. (35 marks)
  - 3.3 Principles of anti-epileptic drug treatment. (30 marks)
  
4. Describe the mechanism/s of action, and list the clinical uses and adverse effects of the following drugs:
  - 4.1 Benzyl penicillin. (25 marks)
  - 4.2 Captopril. (25 marks)
  - 4.3 Morphine. (25 marks)