

UNIVERSITY OF JAFFNA, SRI LANKA
SECOND EXAMINATION FOR MEDICAL DEGREES–PART II (SECOND)
JANUARY 2012
Pharmacology - Paper II

Date: 02.02.2012.

Time: 02 hours

ANSWER ALL THE **FOUR** QUESTIONS

1. Explain the pharmacological basis for
 - 1.1. using morphine in the immediate management of myocardial infarction. (40 Marks)
 - 1.2. combining levodopa and carbidopa. (30 Marks)
 - 1.3. preferring low molecular heparins for the prophylaxis of thromboembolism over unfractionated heparin. (30 Marks)

2.
 - 2.1. List the first-line antituberculous drugs. (20 Marks)
 - 2.2. Briefly describe the mechanism of action of each of the drug mentioned above. (40 Marks)
 - 2.3. Mention the important adverse effects of the drugs mentioned in 2.1. (20 Marks)
 - 2.4. Outline the precautions you would take to prevent/ minimise the adverse effects mentioned above. (20 Marks)

3. Write an account on the therapeutic applications of
 - 3.1. aspirin. (30 Marks)
 - 3.2. benzodiazepines. (30 Marks)
 - 3.3. glucocorticoids. (40 Marks)

4. A 18 year old girl collapsed at the outpatient department after receiving benzathine penicillin injection for rheumatic fever prophylaxis. Her blood pressure was 80/60 mmHg and respiratory system examination revealed stridor and wheeze. She was treated for anaphylactic shock.
 - 4.1. Explain the basis for the signs and symptoms of this patient. (30 Marks)
 - 4.2. List the drugs that are used to treat this patient. (20 Marks)
 - 4.3. Explain the rationale for using the drugs mentioned in 4.2. to treat this patient. (40 Marks)
 - 4.4. Mention the alternative drugs that could be used for rheumatic fever prophylaxis for this patient. (10 Marks)