

UNIVERSITY OF JAFFNA, SRI LANKA
SECOND EXAMINATION FOR MEDICAL DEGREES PART II (First)–October 2011
PHARMACOLOGY
Paper II

Date: 19.10.2011

Time: 02 hours

ANSWER ALL THE **FOUR** QUESTIONS

Answer each **Question** in separate answer book

1. Explain the pharmacokinetic basis for:
 - 1.1. 1.1.1. Having different dosage schedules for morphine oral short acting, morphine controlled released and morphine parenteral preparations. (45 Marks)
 - 1.1.2. Mention one indication for each of the above-mentioned preparations of morphine. (15 Marks)
 - 1.2. Changes in prescribing in liver diseases. (40 Marks)
2.
 - 2.1. Classify oral hypoglycaemic agents. (25 marks)
 - 2.2. Mention 2 common adverse effect of each drug group mentioned in 2.1 (30 marks)
 - 2.3. What is the **oral** hypoglycaemic agent of choice for patients with following co-morbid conditions? Give reasons for your choice.
 - 2.3.1. Type 2 diabetes mellitus and obesity. (15 Marks)
 - 2.3.2. Type 2 diabetes mellitus and chronic renal disease. (15 Marks)
 - 2.3.3. Type 2 diabetes mellitus and heart failure. (15 Marks)
3. Write an account on:
 - 3.1. Oral iron therapy. (30 marks)
 - 3.2. Combined oral contraceptive pill. (30 marks)
 - 3.3. Role of ACE inhibitors in cardiovascular disorders. (40 marks)
4. A 30 year old pregnant woman was admitted to the medical ward with the history of cough, fever, loss of appetite and loss of weight of 4 weeks duration. Her sputum AFB was positive and diagnosed as post-primary pulmonary tuberculosis.
 - 4.1. Describe the drug treatment of this patient. (30 marks)
 - 4.2. What precautions would you take when treating this patient with the drugs mentioned in 4.1.? (20 marks)
 - 4.3. If this patient develops yellow discolouration of sclera and skin, how would you manage? (25 marks)
 - 4.4. If she has delivered a baby 2 days after the diagnosis of tuberculosis, how would you manage the baby? (25 marks)