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

i   **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 a i (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)

     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)

I   **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)