

UNIVERSITY OF JAFFNA, SRI LANKA
SECOND EXAMINATION FOR MEDICAL DEGREES PART II (1st)
August 2012
PHARMACOLOGY - Paper II

Date: 30.08.2012

Time: 02 hours

ANSWER ALL THE FOUR QUESTIONS.

Answer each Question in separate answer book.

1. Explain the pharmacokinetic basis for
 - 1.1. taking ascorbic acid with oral iron tablets. (20marks)
 - 1.2. adding adrenaline to local anaesthetic agents. (20marks)
 - 1.3. not monitoring activated partial thromboplastin time (APTT) when low molecular weight heparins are used. (30 marks)
 - 1.4. the use of large doses of furosemide in advanced renal failure. (30 marks)
2.
 - 2.1. Explain the pharmacological basis of using triple therapy in the management of peptic ulcer disease. (40 marks)
 - 2.2. List 5 important advice that should be given to a mother when oral rehydration salt (ORS) is prescribed for her 2 year old child with acute gastroenteritis. (20 marks)
 - 2.3. Explain briefly the mechanism of action of lactulose in the management of hepatic encephalopathy. (20 marks)
 - 2.4. Antidiarrhoeal agents are not recommended in the management of acute gastroenteritis in children. Explain. (20 marks)
3.
 - 3.1. Name the first line drug for the treatment of rheumatoid arthritis. (10 marks)
 - 3.2. Mention the adverse effects of the drug mentioned in 3.1. (30 marks)
 - 3.3. What precautions you would take to minimize the adverse effects mentioned in 3.2? (30 marks)
 - 3.4. Briefly describe the circumstances where corticosteroids are used in the treatment of rheumatoid arthritis. (30 marks)
- Mr. Aravinthan, a 35 year old man with valvular heart disease was admitted to the emergency unit with the complaint of difficulty in breathing, palpitation and leg swelling. Examination findings include BP 100/60, irregularly irregular pulse, fine basal crepitations in lungs and tenderness of liver. ECG showed atrial fibrillation. The diagnosis of acute on chronic heart failure due to mitral stenosis was made.
4.
 - 4.1. List the drugs that you would use in the immediate treatment of this patient. (20 marks)
 - 4.2. Explain the pharmacological basis for using the drugs mentioned in 4.1. for this patient. (30 marks)
 - 4.3. Write a model prescription on discharge for this patient. (30 marks)
 - 4.4. Write the advice to be given to this patient on discharge? (20 marks)