

UNIVERSITY OF JAFFNA, SRI LANKA
B.Sc. NURSING SECOND YEAR FIRST SEMESTER – JULY 2013
PHARMACOLOGY I - NURPH 2103
Paper II

Date: 01.08.2013

Time: 02 hours

ANSWER ALL THE EIGHT QUESTIONS

1. Explain the following with examples.
 - 1.1. Systemic bioavailability. (40 Marks)
 - 1.2. Therapeutic drug monitoring. (30 Marks)
 - 1.3. Enterohepatic recycling of drugs. (30 Marks)

2.
 - 2.1. Explain the clinical manifestations of anaphylactic shock. (40 Marks)
 - 2.2. List the drugs that are used in the treatment of anaphylactic shock. (30 Marks)
 - 2.3. Explain the rationale for using the drugs mentioned in 2.1. in the treatment of anaphylactic shock. (30 Marks)

3.
 - 3.1. Name 3 commonly prescribed antimuscarinic agents. (30 Marks)
 - 3.2. List the indications of antimuscarinic agents. (30 Marks)
 - 3.3. What are the adverse effects of antimuscarinic agents? (40 Marks)

4.
 - 4.1. List the indications for methotrexate. (20 Marks)
 - 4.2. What are the adverse effects of methotrexate? (40 Marks)
 - 4.3. What precautions need to be taken to prevent or minimize the adverse effects mentioned in 4.2.? (40 Marks)

5.
 - 5.1. Name 3 commonly prescribed aminoglycosides. (30 Marks)
 - 5.2. List the indications of aminoglycosides. (30 Marks)
 - 5.3. What are the adverse effects of aminoglycosides? (40 Marks)

6.
 - 6.1. List the group of antimicrobials that are used to treat urinary tract infections. (30 Marks)
 - 6.2. Name 2 antimicrobials that should be avoided in children. Give reason. (40 Marks)
 - 6.3. Name 3 antibiotic that can be used to treat urinary tract infections in pregnancy. (30 Marks)

7.

- 7.1. Name 5 bacterial infections for which chemoprophylaxis is indicated and mention the drug of choice for chemoprophylaxis of each condition. (50 Marks)
- 7.2. Write an account on chemoprophylaxis of malaria. (50 Marks)

8. Write an account on

- 8.1. aspirin. (50 Marks)
- 8.2. COX 2 inhibitors. (50 Marks)