

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**BACHELOR OF SCIENCE IN NURSING**  
**FIRST YEAR SECOND SEMESTER EXAMINATION–JANUARY 2013**  
**PHARMACOLOGY I NURPH-1208**  
**Paper II**

**Date: 01.02.2013**

**Time: 02 hours**

**ANSWER ALL THE EIGHT QUESTIONS**

1.
  - 1.1. Define the term “systemic bioavailability”. (20 Marks)
  - 1.2. Explain the factors that affect the bioavailability of oral drugs. (80 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. (20 Marks)
  - 2.3. Explain the rationale for using the drugs mentioned in 2.2. in the treatment of anaphylactic shock. (40 Marks)
  
3.
  - 3.1. Define the term “chemoprophylaxis”. (20 Marks)
  - 3.2. List 4 bacterial infections for which chemoprophylaxis is indicated. (20 Marks)
  - 3.3. Explain the chemoprophylaxis of malaria with examples. (60 Marks)
  
4.
  - 4.1. Name 2 commonly prescribed quinolone antibiotics. (20 Marks)
  - 4.2. List 5 indications of quinolone antibiotics. (30 Marks)
  - 4.3. Describe the adverse effects of quinolone antibiotics. (50 Marks)
  
5.
  - 5.1. List the first-line antituberculosis drugs. (30 Marks)
  - 5.2. Describe the important adverse effects of each drug mentioned in 5.1. (40 Marks)
  - 5.3. What precautions need to be taken to minimize the adverse effects mentioned in 5.2.? (30 Marks)
  
6.
  - 6.1. Classify beta blockers with examples. (30 Marks)
  - 6.2. List the indications of beta blockers. (30 Marks)
  - 6.3. What are the adverse effects of beta blockers? (40 Marks)
  
7.
  - 7.1. Give one example for
    - 7.1.1. non-selective NSAID. (10 Marks)
    - 7.1.2. COX2 selective NSAID. (10 Marks)
  - 7.2. List the indications of NSAIDs. (30 Marks)
  - 7.3. What are the adverse effects of NSAIDs? (30 Marks)
  - 7.4. Explain the differences between non-selective and COX2 selective NSAIDs. (20 Marks)

8.

- 8.1. Give 2 indications for methotrexate. (10 Marks)
- 8.2. Describe the adverse effects of methotrexate. (50 Marks)
- 8.3. What precautions need to be taken to minimize or prevent the adverse effects mentioned in 8.2. (40 Marks)