

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**BACHELOR OF PHARMACY**  
**THIRD YEAR FIRST SEMESTER EXAMINATION–JULY 2013**  
**PHACL 3103- PHARMACOLOGY III**  
**Paper II**

**Date: 22.10.2013**

**Time: 02 hours**

**ANSWER ALL THE EIGHT QUESTIONS**

1.
  - 1.1. Classify diuretics with examples. (40 Marks)
  - 1.2. Describe the mechanism of action of each group of drugs mentioned in 1.1. (60 Marks)
  
2.
  - 2.1. Describe the mechanism of action of warfarin. (30 Marks)
  - 2.2. List the indications of warfarin. (30 Marks)
  - 2.3. Explain the drug-drug interactions of warfarin. (40 Marks)
  
3.
  - 3.1. List different preparations of corticosteroids with examples. (40 Marks)
  - 3.1. Describe the adverse effects of corticosteroids. (60 Marks)
  
4.
  - 4.1. List the indications of soluble insulin. (30 Marks)
  - 4.2. What are the adverse effects of insulins? (30 Marks)
  - 4.3. Write the advice that you would give to the patient when dispensing insulin. (40 Marks)
  
5.
  - 5.1. Describe the mechanism of action of methotrexate. (30 Marks)
  - 5.2. Give two (02) indications of methotrexate. (10 Marks)
  - 5.3. Describe the adverse effects of methotrexate. (60 Marks)
  
6.
  - 6.1. Describe the mechanism of action of NSAIDs. (30 Marks)
  - 6.2. Give two (02) example for
    - 6.2.1. non-selective COX inhibitors. (20 Marks)
    - 6.2.1. COX 2 inhibitors. (20 Marks)
  - 6.3. List the adverse effects of NASIDs. (30 marks)
  
7.
  - 7.1. Explain the pharmacological basis of combining carbidopa and levodopa. (50 Marks)
  - 7.2. using propranolol in the treatment of thyrotoxicosis. (50 Marks)
  
8.

Write an account on

  - 8.1. oral iron therapy. (50 Marks)
  - 8.2. combined oral contraceptive pills. (50 Marks)