



**UNIVERSITY OF JAFFNA, SRI LANKA**  
**BACHELOR OF PHARMACY**  
**SECOND YEAR SECOND SEMESTER EXAMINATION–April 2020**  
**PHARMACOLOGY & PHARMACOTHERAPY II – PHACL 2242**

**Paper II**

**Date: 24.09.2020**

**Time: 02 hours**

**ANSWER ALL FOUR QUESTIONS**

1.
  - 1.1. List four (04) groups of diuretic agents with one example for each group. (20 Marks)
  - 1.2. Describe the mechanism of action of furosemide. (30 Marks)
  - 1.3. Explain the pharmacological basis of using furosemide in heart failure. (30 Marks)
  - 1.4. List the adverse effects of furosemide. (20 Marks)
2.
  - 2.1. List three cholinesters. (15 Marks)
  - 2.2. List the therapeutic uses of cholinergic drugs. (15 Marks)
  - 2.3. Describe the mechanism of action of anticholinesterases/ cholinesterase inhibitors. (20 Marks)
  - 2.4. List the symptoms of organophosphates poisoning. (20 Marks)
  - 2.5. Describe the management of organophosphate poisoning. (30 Marks)
3.
  - 3.1. Describe the mechanism of action of heparin. (20 Marks)
  - 3.2. List the advantages of enoxaparin compared to conventional heparin. (20 Marks)
  - 3.3. List the indications for warfarin. (20 Marks)
  - 3.4. Discuss the drug-drug and drug-food interactions associated with warfarin therapy. (40 Marks)
4. Write an account on
  - 4.1. Oral iron therapy. (30 Marks)
  - 4.2. Inhaled medications in the long term management of asthma. (30 Marks)
  - 4.3. HMG-CoA reductase inhibitors. (40 Marks)