

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**FACULTY OF ALLIED HEALTH SCIENCES**  
**SECOND YEAR SECOND SEMESTER EXAMINATION IN BPharmHons-2023**  
**PHACL 2232 PHARMACOLOGY & PHARMACOTHERAPY II – PAPER II**

Date: 26.05.2025

Time: 02 hours

**ANSWER ALL FOUR QUESTIONS**

**Part – A**



1.
  - 1.1. Give two (02) examples for
    - 1.1.1. direct acting sympathomimetics. (05 Marks)
    - 1.1.2. indirect acting sympathomimetics. (05 Marks)
  - 1.2. Describe the mechanism of action of
    - 1.2.1. direct acting sympathomimetics. (10 Marks)
    - 1.2.2. indirect acting sympathomimetics. (15 Marks)
  - 1.3. List five (05) indications of sympathomimetics with one (01) example for each. (25 Marks)
  - 1.4. Briefly explain the role of oximes in the management of organophosphate poisoning. (40 Marks)
2. Write an account on
  - 2.1. inhaled corticosteroids. (30 Marks)
  - 2.2. methotrexate. (30 Marks)
  - 2.3. pharmacological management of myasthenia gravis. (40 Marks)
3. Explain the pharmacological basis for the followings.
  - 3.1. Using N-acetylcysteine in the management of paracetamol overdose. (25 Marks)
  - 3.2. Using furosemide in the treatment of acute pulmonary oedema. (25 Marks)

**Part – B**

3. Explain the pharmacological basis for the followings.
  - 3.3 Using potassium-sparing diuretics in the treatment of hypertension. (25 Marks)
  - 3.4 Using enalapril in the management of hypertension. (25 Marks)
4.
  - 4.1. Classify anti-arrhythmic drugs based on the Vaughan Williams classification system and provide one example for each class. (30 Marks)
  - 4.2. List one common adverse effect of each drug mentioned in 1.1. (20 Marks)
  - 4.3. Describe the mechanism of action of each class of anti-arrhythmic drugs provided in 1.1. (50 Marks)