



UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES

SECOND YEAR SECOND SEMESTER EXAMINATION IN BPharmHons-2022

PHACL 2232 PHARMACOLOGY & PHARMACOTHERAPY II

Paper II

Date: 26 JUN 2024

Time: 02 hours

ANSWER ALL FOUR QUESTIONS

1.

- 1.1. Give two (02) examples for
 - 1.1.1. direct-acting cholinomimetics. (05 Marks)
 - 1.1.2. indirect-acting cholinomimetics. (05 Marks)
- 1.2. Describe the mechanism of action of
 - 1.2.1. direct-acting cholinomimetics. (10 Marks)
 - 1.2.2. indirect-acting cholinomimetics. (15 Marks)
- 1.3. List five (05) indications of cholinomimetics with one (01) example for each. (25 Marks)
- 1.4. Briefly describe the pharmacological management of organophosphate poisoning. (40 Marks)

2.

- 2.1. List four (04) groups of drugs that act on the renin-angiotensin-aldosterone system. Give one (01) example for each. (20 Marks)
- 2.2. Describe the mechanism of action of each group mentioned in 2.1. (40 Marks)
- 2.3. List two (02) indications for each group of drugs mentioned in 2.1. (20 Marks)
- 2.4. Identify the group of drugs mentioned in 2.1 that is associated with dry cough. Briefly explain the reason behind it. (20 Marks)

3. Explain the pharmacological basis for the following:

- 3.1. Using salbutamol in the management of acute asthma exacerbations. (25 Marks)
- 3.2. Combining atorvastatin with cholestyramine in the treatment of hyperlipidaemia. (25 Marks)
- 3.3. Using warfarin for prevention of stroke in patients with atrial fibrillation. (25 Marks)
- 3.4. Using celecoxib for pain management in patients with peptic ulcer. (25 Marks)

4. Write an account on

- 4.1. erythropoietin. (30 Marks)
- 4.2. digoxin. (30 Marks)
- 4.3. methotrexate. (40 Marks)