

UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES



THIRD YEAR SECOND SEMESTER EXAMINATION IN BPharmHons-2023

PHACL 3232 PHARMACOLOGY & PHARMACOTHERAPY IV- PAPER II

Date: 21.05.2025

Time: 02 hours

ANSWER ALL FOUR QUESTIONS

1.
 - 1.1. List four (04) classes of antidepressants with one (01) example for each. (20 Marks)
 - 1.2. Briefly describe the mechanism of action of each class of antidepressant mentioned in 1.1. (30 Marks)
 - 1.3. Enumerate the adverse effects of antidepressants mentioned in 1.1. (30 Marks)
 - 1.4. List four (04) indications of antidepressants other than depression. Give one (01) example for each. (20 Marks)
2.
 - 2.1. Name five (05) opioids that are used in clinical practice. (15 Marks)
 - 2.2. Describe the mechanism of action of opioids. (20 Marks)
 - 2.3. Explain the systemic effects of opioids. (40 Marks)
 - 2.4. Briefly explain the management of opioid withdrawal syndrome. (25 Marks)
3. Explain the pharmacological basis for the following:
 - 3.1. Combining carbidopa and levodopa in the treatment of Parkinson's disease. (25 Marks)
 - 3.2. Providing folic acid supplementation with phenytoin. (25 Marks)
 - 3.3. Using a larger dose of lidocaine to anesthetize an infected area. (25 Marks)
 - 3.4. Using dantrolene in the treatment of malignant hyperthermia. (25 Marks)
4. Write an account on
 - 4.1. nitrous oxide. (30 Marks)
 - 4.2. pharmacovigilance. (30 Marks)
 - 4.3. triptans in the treatment of migraine. (40 Marks)