

UNIVERSITY OF JAFFNA, SRI LANKA  
FACULTY OF ALLIED HEALTH SCIENCES

THIRD YEAR SECOND SEMESTER EXAMINATION IN BPharmHons-2022  
PHACL 3232 PHARMACOLOGY & PHARMACOTHERAPY IV- PAPER II

Date: 19.06.2024

Time: 02 hours

**ANSWER ALL FOUR QUESTIONS**

1. 1.1 Give two (02) examples for
  - 1.1.1. typical antipsychotics. (10 Marks)
  - 1.1.2 atypical antipsychotics. (10 Marks)
- 1.2 Explain the mechanism of action of antipsychotics. (30 Marks)
- 1.3 List two (02) examples for antipsychotics administered as long-acting depot injections. (10 Marks)
- 1.4 Briefly describe the adverse effects of antipsychotics. (40 Marks)
  
2. 2.1 List two (02) commonly used antiepileptic agents. (10 Marks)
- 2.2 Briefly describe the mechanism action of the drugs mentioned in 2.1. (25 Marks)
- 2.3 Mention the drug of choice for:
  - 2.3.1 partial seizure. (05 Marks)
  - 2.3.2 generalized tonic-clonic seizure. (05 Marks)
  - 2.3.3 absence seizure. (05 Marks)
- 2.4 List the drugs used in the management of status epilepticus. (15 Marks)
- 2.5 Briefly describe the precautions that need to be taken during antiepileptic treatment. (35 Marks)
  
3. Explain the pharmacological basis for the following:
  - 3.1 Combining halothane and nitrous oxide in general anaesthesia. (25 Marks)
  - 3.2 Using buprenorphine for the management of opioid withdrawal. (25 Marks)
  - 3.3 Adding sodium bicarbonate to lidocaine. (25 Marks)
  - 3.4 Combining venlafaxine and mirtazapine in the treatment of depression. (25 Marks)
  
4. Write an account on
  - 4.1. levodopa. (30 Marks)
  - 4.2. phase II clinical trial. (30 Marks)
  - 4.3. skeletal muscle relaxants. (40 Marks)