

UNIVERSITY OF JAFFNA, SRI LANKA  
BACHELOR OF PHARMACY  
THIRD YEAR SECOND SEMESTER EXAMINATION in B.pharm Honours 2020  
PHARMACOLOGY & PHARMACOTHERAPY IV – PHACL 3242

Paper II

Date: 17.10.2022

Time: 02 hours

ANSWER ALL FOUR QUESTIONS

1.
  - 1.1. List two (02) commonly used antiepileptic agents. (10 Marks)
  - 1.2. Describe the mechanisms of action of drugs mentioned in 1.1. (20 Marks)
  - 1.3. List the adverse effects of the drugs mentioned in 1.1. (20 Marks)
  - 1.4. Describe the advice you would give to a 20 year old girl when dispensing antiepileptic medications. (20 Marks)
  - 1.5. List 3 the drugs that are used in the treatment of status epilepticus. (15 marks)
  - 1.6. Mention the drug of choice for the following:
    - 1.1.1. generalized tonic-clonic seizure. (05 marks)
    - 1.1.2. absence seizure. (05 marks)
    - 1.1.3. partial seizure. (05 marks)
2.
  - 2.1. Classify antidepressants with examples. (20 Marks)
  - 2.2. Describe the mechanism of action of each group of antidepressants mentioned in 2.1. (30 Marks)
  - 2.3. List the indications for antidepressants other than depression with examples. (25 Marks)
  - 2.4. Enumerate the adverse effects of antidepressants mentioned in 2.1. (25 Marks)
3. Explain the pharmacological basis for the following.
  - 3.1. Combining carbidopa and levodopa. (25 Marks)
  - 3.2. Using benzodiazepines for anxiety. (25 Marks)
  - 3.3. Adding adrenaline to local anesthetic agents. (25 Marks)
  - 3.4. Using naloxone in opioid overdose. (25 Marks)
4. Write an account on
  - 4.1. Skeletal muscle relaxants. (30 Marks)
  - 4.2. Phase II clinical trial. (30 Marks)
  - 4.3. Inhaled anaesthetic agents. (40 Marks)