

UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF PHARMACY
THIRD YEAR SECOND SEMESTER EXAMINATION–February 2018
PHARMACOLOGY & PHARMACOTHERAPY IV – PHACL 3242
Paper II

Date: 09.03.2018

Time: 02 hours

ANSWER ALL FOUR QUESTIONS

1.
 - 1.1. Describe the mechanism of action of phenytoin. (15 Marks)
 - 1.2. Explain the pharmacokinetics of phenytoin. (30 Marks)
 - 1.3. List the therapeutic applications of phenytoin. (15 Marks)
 - 1.4. Describe the adverse effects of phenytoin. (40 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 with examples. (25 Marks)
 - 2.4. Enumerate the adverse effects of antidepressants. (25 Marks)

3. Explain the pharmacological basis for the following.
 - 3.1. Combining carbidopa and levodopa. (30 Marks)
 - 3.2. Using diazepam as anaesthetic premedication. (30 Marks)
 - 3.3. Adding adrenaline to local anesthetic agents. (20 Marks)
 - 3.4. Using naloxone in opioid overdose. (20 Marks)

4. Write an account on
 - 4.1. clinical trials. (40 Marks)
 - 4.2. neuromuscular blockers. (30 Marks)
 - 4.3. migraine prophylaxis. (30 Marks)