

UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF PHARMACY
SECOND YEAR FIRST SEMESTER EXAMINATION – August 2017
PHARMACOLOGY & PHARMACOTHERAPY I – PHACL 2143

Paper II

Date: 31.08.2017

Time: 02 hours

ANSWER ALL FOUR QUESTIONS

1. Explain the following with examples.
 - 1.1. Order of kinetics of drugs (50 Marks)
 - 1.2. Half-life of drugs (25 Marks)
 - 1.3. Protein binding of drugs (25 Marks)

2.
 - 2.1. Classify the penicillins with examples. (30 Marks)
 - 2.2. Name the most serious adverse effect of penicillin. (05 Marks)
 - 2.3. Explain the signs and symptoms of the condition mentioned in 2.2. (20 Marks)
 - 2.4. List three (03) most important drugs that are used in the treatment of the condition mentioned in 2.2. and explain the rationale for using them in this condition. (45 Marks)

3. Write the advice you would give when you dispensing
 - 3.1. amoxicillin suspension to a mother for her child prescribed with amoxicillin 125mg t.d.s. for five days. (40Marks)
 - 3.2. First-line anti-tuberculosis drugs for the first 2 months of treatment. (60 Marks)

4.
 - 4.1. Explain the mechanism of
 - 4.1.1. type A adverse drug reaction. (20 Marks)
 - 4.1.2. type B adverse drug reaction. (20 Marks)
 - 4.2. Give two (02) examples for
 - 4.2.1. type A adverse drug reactions. (10 Marks)
 - 4.2.2. type B adverse drug reactions. (10 Marks)
 - 4.3. Indicate the differences between type A and type B adverse drug reactions. (20 Marks)
 - 4.4. Name the antidotes for the following.
 - 4.4.1. Iron (05 Marks)
 - 4.4.2. Morphine (05 Marks)
 - 4.4.3. Organophosphate (05 Marks)
 - 4.4.4. Paracetamol (05 Marks)