

UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
SECOND YEAR FIRST SEMESTER EXAMINATION IN BPharmHons-2019
PHACL 2143 PHARMACOLOGY & PHARMACOTHERAPY I- PAPER II

Date: 09.12.2021

Time: 02 hours

ANSWER ALL FOUR QUESTIONS

1.
 - 1.1. Explain the term “first pass metabolism”. (15 marks)
 - 1.2. List five (05) drugs that undergo extensive first-pass metabolism. (15 marks)
 - 1.3. Describe the methods that are used to bypass hepatic first pass metabolism with examples. (30 marks)
 - 1.4. Discuss the factors that influence the variation in drug response among patients with examples. (40 marks)

2.
 - 2.1. Define adverse drug reaction (ADR). (15 Marks)
 - 2.2. Mention two (02) major types of ADR with examples. (10 Marks)
 - 2.3. Describe the features of the above mentioned types of ADR. (30 Marks)
 - 2.4. Describe the ADR reporting system/ procedure in Sri Lanka. (15 Marks)
 - 2.5. List three (03) most important drug preparations used in the treatment of anaphylactic shock. (15 Marks)
 - 2.6. List three (03) known teratogenic medications. (15 marks)

3.
 - 3.1. Classify β -lactam antibiotics with example. (30 Marks)
 - 3.2. Describe the mechanism of action of β -lactam antibiotics. (20 Marks)
 - 3.3. List the adverse effects of each group of β -lactam antibiotic mentioned in 3.1. (25 Marks)
 - 3.4. Give one (01) indication for each subdivision of different groups of β -lactam antibiotics mentioned in 3.1. (25 Marks)

4. Describe the pharmacological basis for the use of following.
 - 4.1. Giving multidrug therapy for longer duration for tuberculosis. (40 Marks)
 - 4.2. Single daily dose of gentamicin is preferred over divided doses. (30 Marks)
 - 4.3. Benzathine penicillin is used in rheumatic fever prophylaxis. (30 Marks)