



FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA

Department of Nursing

3<sup>rd</sup> End Semester Examination – 2021 – 2017/2018- (11<sup>th</sup>) Batch

NUR 2111 – Pharmacology in Nursing I - SEQ

Date: 20<sup>th</sup> April 2021

Time: 10.00 a.m.- 11.00 a.m.

Duration: 1 hour

Index Number: .....

Answer all questions

1.

1.1

1.1.1 List the **four (04)** pharmacokinetic parameters which determine the onset, intensity, and duration of drug action. (15 marks)

.....  
.....  
.....  
.....  
.....  
.....  
.....

1.1.2 Briefly describe **four (04)** factors that influence the bioavailability of a drug. (20 marks)

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

1.2

1.2.1. Classify tetracycline drugs according to the half-life and give **two (02)** examples for each category. (20 marks)

.....  
.....  
.....  
.....

1.2.2. Briefly explain the below aspects regarding Tetracycline.

a. Mechanism of action (15 marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

b. Pharmacokinetics (15 marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

c. Adverse reactions (15 marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

2.

2.1.

2.1.1 Classify Penicillin and give **two (02)** examples for each category. (20 marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

2.1.2. Briefly explain the below regarding beta lactam antibiotics.

a. Mechanism of action (20 marks)

.....

.....

.....

.....

.....

b. Pharmacokinetics (20 marks)

.....

.....

.....

.....

.....

.....

c. Adverse reactions (15 marks)

.....

.....

.....

.....

.....

.....

2.2.

2.2.1 What are the **two (02)** mechanism of actions which involve in inhibition of DNA/RNA synthesis in quinolones? (10 marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

2.2.2 List **five (05)** contraindications in using quinolones. (15 marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....