THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
THE ACADEMIC YEAR 2022/2023 – SEMESTER II

BACHELOR OF PHARMACY HONOURS
FMU5501 – PHARMACOLOGY III– LEVEL 5
FINAL EXAMINATION
DURATION: THREE (03) HOURS

DATE: 07TH SEPTEMBER 2023 **TIME: 09.30 A.M. – 12.30 P.M.**

Part B – 04 Structured Essay Questions (60 Marks)

1.

1.1. List two (02) drug-related factors that affect the placental transportation of drugs. (02 marks)

1.2. Name the US/FDA classification system for the teratogenic potential of drugs. (05 marks)

1.3. Briefly describe four (04) important considerations with regard to drug administration and ensuring patient compliance in the pediatric population. (08 marks)

2.

2.1 Write three (03) examples for bisphosphonates. (03 marks)

2.2 List four (04) clinical indications of bisphosphonates. (04 marks)

2.3 Briefly describe the mechanism of action of bisphosphonates. (08 marks)

3.

3.1 Name three (03) medicines that stimulate the uterus. (03 marks)

3.2 Explain the term "Selective Estrogen Receptor Modulators (SERMs)". (05 marks)

3.3 Briefly describe the mechanism of action of clomiphene citrate in treating anovulatory infertility. (07 marks)

4.

4.1 Methanol (methyl alcohol) may be a component of illegally produced alcohol resulting in mass casualties.

4.1 .1 State the treatment indicated in a person poisoned with methanol? (02 marks)

4.1.2 Briefly describe the mechanism of action of the treatment stated in question 4.1.1 in methanol poisoning. (04 marks)

4.2 Paracetamol ingestion is a common method of self-harm.

4.2.1 List two (02) antidotes used in paracetamol poisoning. (02 marks)

4.2.2 Briefly describe the mechanism of action of one (01) of the antidotes stated in question 4.2.1. (07 marks)