THE OPEN UNIVERSITY OF SRI LANKA
28 SEP 2022
EXAMINATION DIVISION
00059

THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
THE ACADEMIC YEAR 2020/2021 – SEMESTER II

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

DATE: 29TH SEPTEMBER 2022 TIME: 9.30 A.M. – 12.30 P.M.

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Part B – 04 Structured Essay Questions (60 Marks)

(Total marks of this section will be calculated to 60)

1.

1.1. Name two (02) examples of bisphosphonates. (06 Marks)

1.2. List three (03) Clinical uses of bisphosphonates. (09 Marks)

1.3. Describe the mechanism of action of bisphosphonates. (15 Marks)

1.4. Describe five (05) main actions of calcitriol on bone. (20 Marks)

2.

2.1. List two (02) antidotes available for paracetamol toxicity. (08 Marks)

2.2. State three (03) categories of patients who are at a higher risk of developing liver damage with paracetamol. (12 Marks)

2.3. Describe the pharmacological basis for the occurrence of liver damage due to paracetamol overdose. (20 Marks)

2.4. Briefly explain how ethyl alcohol is effective in methyl alcohol toxicity. (10 Marks)

3.

3.1. List four (04) non-hormonal barrier methods used in contraception. (08 Marks)

3.2. Give three (03) contraindications for the use of combined oral contraceptive pills. (06 Marks)

3.3. Briefly explain the mechanism of action of combined oral contraceptive pills. (16 Marks)

3.4. Briefly describe the advantages and disadvantages of long-term use of the oral contraceptive pill. (20 Marks)

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4.

4.1. List four (04) examples of drugs from different pharmacological groups, where a baseline measurement and regular monitoring of liver function is recommended. (20 Marks)

4.2. Briefly explain the mechanisms of drug induced liver damage. (15 Marks)

4.3. Briefly describe how alcohol contributes to liver toxicity. (15 Marks)