THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
THE ACADEMIC YEAR 2024/2025 – SEMESTER I

BACHELOR OF PHARMACY HONOURS
FMU6302 THERAPEUTICS LEVEL 6
FINAL EXAMINATION
DURATION: THREE (03) HOURS

DATE: 24TH APRIL 2025 **TIME: 09.30 A.M. – 12.30 P.M.**

Part C – 04 Structured Essay Questions (60 Marks)

Answer all questions

1. In management of dyslipidemia,

1.1. List two (02) HMG – CoA reductase inhibitors used in the treatment of dyslipidemia. (02 marks)

1.2. List two (02) contraindications for HMG – CoA reductase inhibitors. (02 marks)

1.3. List four (04) medicines effective for lowering triglycerides. (04 marks)

1.4. Explain the clinical benefit of using HMG – CoA reductase inhibitors in coronary heart disease. (07 marks)

2. Regarding the management of thyroid disorders,

2.1. State the medicine of choice for treating hypothyroidism. (01 mark)

2.2. Describe instructions you would provide as a pharmacist to a young healthy patient when taking the medication stated in 2.1. (04 marks)

2.3. State the dose changes required in the following clinical scenarios, in a patient with hypothyroidism. (02 marks)

2.3.1. Pregnancy

2.3.2. Elderly patient with cardiovascular disease

2.4. Write short notes on two treatment regimens used in treatment of hyperthyroidism. (08 marks)

2.4.1. Gradual dose titration

2.4.2. Block and replacement regimen

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3. In the management of diabetes mellitus,

3.1. List three (03) classes of oral medications for type 2 diabetes mellitus. (03 marks)

3.2. State one (01) example for each class mentioned in 3.1. (03 marks)

3.3. State two (02) insulin regimens used in type 1 diabetes mellitus. (02 marks)

3.4. State two (02) preferred medication in gestational diabetes. (01 marks)

3.5. Briefly describe the initiation, monitoring and discontinuation of these medications during pregnancy. (02 marks)

3.6. A 50-year-old obese patient with type 2 diabetes mellitus needs initiation of medications. Describe first line diabetic medicines you may use and advice you may give as a pharmacist when initiating the treatment. (04 marks)

4. In management of respiratory tract conditions,

4.1. List two (02) classes and one (01)example of each of nasal drops/sprays used in the treatment of sinusitis. (04 marks)

4.2. State the first line antimicrobials in following types of pneumonia. (03 marks)

4.2.1. Community acquired pneumonia

4.2.2. Influenza pneumonia

4.2.3. MRSA pneumonia

4.3. List two (02) oral antibiotics contraindicated in pregnancy. (02 marks)

4.4. Write short notes on antimicrobial therapy used in

4.4.1. acute otitis media (03 marks)

4.4.2. streptococcal pharyngitis (03 marks)