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

DATE: 05.04.2024 **TIME: 9.30 A. M. - 12.30 P. M.**

Part B - Structured Essay Questions (60 Marks)

01. A 27-yr-old female with well controlled Type I diabetes, presented to the hospital complaining of hunger pangs, dizziness, unusual sweating after a sport event. Last fasting blood sugar level was 90 mg/dl. She has taken her usual medication and meal prior to the event.

1.1 State the metabolic abnormality to explain her presentation and state the emergency treatment. (02 marks)

1.2 Briefly describe three (03) pharmacological or physiological reasons for the development of symptoms with the metabolic abnormality mentioned in 1.1. (03 marks)

1.3 How would you advice this athlete to prevent such complications? (02 marks)

1.4 Explain how would you advice a newly diagnosed Type I diabetic patient on use of Insulin. (08 marks)

02. A 54 –yr-old male with chronic liver cell disease was admitted to the hospital acute shortness of breath with abnormal distension.

2.1 List three (03) common causes of chronic liver cell diseases in Sri Lanka. (03 marks)

2.2 List the three (03) major complications of chronic liver cell diseases. (03 marks)

2.3 Briefly state two (02) pharmacological and one (01) non-pharmacological method to treat excessive fluid accumulation in chronic liver cell disease. (03 marks)

2.4 Name three (03) medications you may avoid in a patient with chronic liver cell disease giving reasons. (03 marks)

2.5 Briefly explain how you would counsel a patient with chronic liver cell disease on their diet. (03 marks)

03. A 34-yr-old female presented to the hospital with a goiter and excessive sweating, agitation, palpitations and heat intolerance.

3.1 State the possible thyroid disorder in the above patient. (01 mark)

3.2 List two (02) medicines with different mechanisms of action indicated for the above patient. (02 marks)

3.3 Briefly describe the mechanism of action of the two (02) medicines listed in 3.2. (12 marks)

04. A 57-yr-old male, diagnosed with a ST elevated myocardial infraction. Initially he was on antiplatelet therapy.

4.1 List two (02) medicines given in antiplatelet therapy and describe their mechanism of action. (06 marks)

4.2 Thrombolytic treatment was considered for the above patient.

4.2.1 Name a thrombolytic drug and its route of administration. (02 marks)

4.2.2 Describe the mechanism of action of the thrombolytic drug named in 4.2.1 (04 marks)

4.2.3 List three (03) other drug classes indicated in this patient to improve long term prognosis of post MI. (03 marks)