

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



BACHELOR OF PHARMACY HONOURS  
FMU4300 PATHOPHYSIOLOGY LEVEL 4  
FINAL EXAMINATION  
DURATION: THREE (03) HOURS

DATE: 29<sup>TH</sup> APRIL 2025

TIME: 9.30 A.M – 12.30 P.M.

Part B – Structured Essay Questions (60 Marks)

1.
  - 1.1 Define the term “Leukemia”. (02 marks)
  - 1.2 Differentiate acute and chronic leukemia. (02 marks)
  - 1.3 Define the term “blood transfusion.” (03 marks)
  - 1.4 Briefly describe the complications of blood transfusion. (08 marks)
  
2.
  - 2.1 List four (04) causes of chronic renal failure. (04 marks)
  - 2.2 Briefly explain the pathogenesis of hydronephrosis. (05 marks)
  - 2.3 Briefly describe the manifestations of renal failure. (06 marks)
  
3.
  - 3.1 List four (04) causes of acute gastritis. (02 marks)
  - 3.2 Write four (04) clinical features of each of the following conditions. (08 marks)
    - A. Malabsorption syndrome
    - B. Peptic ulcer disease
  - 3.3 “Cholelithiasis (gallstone disease) is closely linked with cholesterol metabolism.”  
Comment on the above statement. (05 marks)
  
4.
  - 4.1 List four (04) hormones secreted by the pituitary gland. (04 marks)
  - 4.2 List three (03) main architectural characteristics of the liver in cirrhosis. (03 marks)
  - 4.3 Outline the pathogenesis of diabetes mellitus. (03 marks)
  - 4.4 Briefly describe two (02) complications of diabetes mellitus. (05 marks)