



**Part D**

4. A 54 year-old female presented to a medical ward with fever and malaise of two days duration. She had undergone a major surgery two months ago. Physical examination revealed mild icterus and hepatomegaly. The clinical diagnosis was acute hepatitis.

✓ 4.1 Discuss the possible aetio-pathogenic mechanisms for hepatitis in this patient. (20 marks)

✓ 4.2 State **five** biochemical investigations you would perform to assess the liver biochemistry in this patient and state their expected findings and the pathological basis. (30 marks)

✓ 4.3 State with justification the specialized biochemical & serological investigations you would do in this patient to arrive at a definitive diagnosis based on the aetiological agents mentioned in 4.1. (20 marks)

✓ 4.4 This patient's symptoms persisted for more than six months. The clinician decided to perform a liver biopsy. State the expected microscopic features in the liver biopsy. (20 marks)

✓ 4.5 State two complications she may develop due to the persistence of the disease. (10 marks)

HIT + Chemical