



UNIVERSITY OF JAFFNA, SRI LANKA
SECOND EXAMINATION FOR MEDICAL DEGREES PART (I)-JANUARY 2023
ACADEMIC YEAR 2017/2018

FORENSIC MEDICINE – PAPER II

Date: 23.01.2023

Time: 9.00 am to 12.00 noon(03 Hrs)

Answer all five (5) questions

Answer each part in a separate answer book

PART A

1.

1.1 Describe the possible features of a “chop wound” caused by an assault with an axe. (50 marks)

1.2 Define contrecoup injury of the brain and describe the mechanism of production. (50 marks)

2.

2.1 Briefly describe the medical negligence. (30 marks)

2.2 State four (4) criteria needed to be fulfilled to prove a case of medical negligence. (20 marks)

2.3 Outline defenses for a doctor against medical negligence. (50 marks)

3.

3.1 Critically analyze the methods available to estimate the time since death. (70 marks)

3.2 Discuss the difficulties faced by the Judicial Medical Officer in the estimation of time since death in Sri Lanka (30 marks)

PART B

4. A 6-year-old male child living in a children's home was admitted to the casualty ward with a history of accidental falls and limping of the left lower limb. The x-ray of the right lower limb revealed a fracture of the femur bone, and based on the fracture pattern, the treating doctor suspected possible maltreatment of the child.
- 4.1. Describe briefly the type of long bone fractures that are resulted from child- maltreatment
(20 marks)
- 4.2. List the possible pathological conditions that can be considered a differential diagnosis in suspected bone fractures in children
(10 marks)
- 4.3. List five (5) essential points in history that can give suspicion about physical child abuse.
(20 marks)
- 4.4. Discuss the injury pattern in the skin that can be caused by the physical child maltreatment
(20 marks)
- 4.5. As a part of the management case conference was arranged. List the members who usually take part in a case conference.
(10 marks)
- 4.6. Briefly discuss essential points that are usually addressed in case conferences in diagnosed child abuse
(20 marks)

5. A 40-year-old executive officer of a private company sustained chest injuries and multiple rib fractures following a frontal collision of his car with a tipper lorry. He was returning from a night party and is a known patient with diabetes and hypertension, on defaulted treatment. He was admitted to the hospital several pints of blood were transfused to him.

5.1. List the medico-legal issues in this case? (10 marks)

5.2. Describe the injury pattern of the car driver in a frontal collision (30 marks)

5.3. Describe the possible medico-legal category of hurt in the above case with the reason (20 marks)

5.4. It is suspected he consumed alcohol before the incident. What is the legal limit of blood alcohol level for driving in Sri Lanka? (10 marks)

5.5. Describe how alcohol can impair driving (20 marks)

5.6. Describe how traffic police check the blood alcohol level on the roadside in routine practice (10 marks)