



UNIVERSITY OF JAFFNA, SRI LANKA  
SECOND EXAMINATION FOR MEDICAL DEGREES – DECEMBER 2019  
FORENSIC MEDICINE

Date: 21.12.2019

Time: 9.00 am to 12.00 pm (3 hours)

ANSWER ALL THE FIVE QUESTIONS

Answer each **part** in a separate answer book.

**PART A**

1. Describe the injury patterns in
  - 1.1 Fall from height (50Marks)
  - 1.2 Front seat passenger of a car collided against an electric post (50Marks)
  
- 2 A 55-year-old known asthmatic patient was brought to the emergency department in a state of respiratory distress. Despite of extensive medical management he died.
  - 2.1 What is the likely cause of death? (10Marks)
  - 2.2 Write four (4) possible complications of bronchial asthma. (20Marks)
  - 2.3 Describe the expected macroscopic findings of the lung at autopsy (30Marks)
  - 2.4 Describe the expected microscopic findings of the lung in this case (30Marks)
  - 2.5 Briefly describe the expected findings at autopsy due to resuscitation of this man (10Marks)

**PART B**

- 3 A 20-year-old male was brought to hospital in a state of altered consciousness. No proper history was available. Examination and investigations revealed a scalp contusion, skull fracture and a small extra duralhaemorrhage. Glasgow Coma Scale (GCS) was 12 on admission. He was observed and managed conservatively in the neurosurgical unit and discharged on the third day.
  - 3.1 Discuss the medico legal classification of injuries/ category of hurt in this case (40Marks)
  - 3.2 Discuss the ethical considerations in medico legal examination of a 14-year-old child. (60Marks)



4

4.1. Describe the postmortem changes that can be seen in a surreptitiously disposed body recovered more than one month after death. (45 Marks)

4.2. Outline the medico-legal significance of the postmortem changes described above. (55 Marks)

5

5.1. Discuss the applications of DNA technology for forensic purposes. (50 Marks)

5.2. Briefly discuss the forensic significance of the eye. (50 Marks)