

33rd batch

32 repeat ✓



FACULTY OF MEDICINE UNIVERSITY OF RUHUNA

Third Examination for Medical Degrees (Part II) – October 2013

FORENSIC MEDICINE - PAPER I

Answer ALL FIVE Questions.

9.00 a.m. to 12.00 noon (3 hours)

Answer each PART in a SEPARATE BOOK.

Part A

1. A 50 year-old male was knocked down by a car while crossing the road and died on admission to the hospital. There were multiple injuries on the body.

1.1 List five medico-legal issues of this case. (25 marks)

1.2 Describe how you would perform the medico-legal investigation of this death. (50 marks)

At the autopsy, there were scalp lacerations and extradural hemorrhage with brain contusion. How would you write the cause of death in the post-mortem report? (25 marks)

2. An 18 year-old female student was found hanging inside her locked bedroom.

2.1 Describe how you would perform the examination of the scene of this case. (40 marks)

2.2 Describe how you would ascertain the manner of death. (25 marks)

2.3 List three special dissections you would perform in this case. (15 marks)

2.4 Describe the steps of one (1) special dissection you would perform in this case. (20 marks)

Part B

3. A 40 year-old male was found lying in his paddy field in a semiconscious state with salivation and muscle twitching. He went to the paddy field in the early morning to spray agrochemicals. It is noticed that he had not worn masks or gloves.

3.1 What is the most likely agrochemical agent involved in this case? (5 marks)

3.2 Describe the other clinical features that you would expect in its poisoning. (25 marks)

3.3 Discuss the pathophysiology of clinical features you stated in 3.2. (25 marks)

3.4 Describe the major steps of management of a person who has ingested this agrochemical agent. (20 marks)

3.5 Describe its late complications and their management. (25 marks)

Part C

4. A 30 year-old married female was admitted to a gynaecology ward of a tertiary care hospital with a history of POA of 10 weeks, lower abdominal pain and bleeding per vaginum. She was said to have been attempted to terminate the pregnancy through an undeclared source.

4.1 What are the medico-legal issues of this case? (10 marks)

4.2 Describe how you would perform the medico-legal examination of this case. (25 marks)

4.3 Describe how you would confirm the pregnancy in this case. (20 marks)

The police was able to track down the abortionist involved in this case and his clandestine medical centre.

4.4 Describe how you would advise the police about the essential steps of the crime scene examination. (20 marks)

4.5 Describe the legal provisions against abortion in Sri Lanka. (25 marks)

5. A 45 year-old technician working in a high-rise building in a metropolitan city was found fallen onto the ground from its eighth floor. He was rushed to a tertiary care hospital in an unconscious state and multiple external injuries were observed. He was subjected to CT and MRI scans. His brain showed multiple focal lesions in the white matter indicative of diffuse axonal injury.

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

5.2 Describe the injury pattern expected to be seen in this patient. (20 marks)

5.3 Describe the ethical principles involved during his medico-legal examination and further management. (25 marks)

5.4 Discuss how you would categorize injuries sustained by the victim in view of future compensation. (20 marks)

5.5 Describe the causation of diffuse axonal injury in this patient and its clinical outcome. (25 marks)