



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE

Third Examination for Medical Degrees (Part II) – December 2010

FORENSIC MEDICINE – PAPER I

9.00 am to 12.00 noon (3 hours)

Answer ALL FIVE Questions.

Answer each PART in a SEPARATE BOOK. Begin each answer on a NEW PAGE.

Part A

1. 1.1 Give an account on
 - 1.1.1 mummification. (20 marks)
 - 1.1.2 adipocere formation. (20 marks)

- 1.2 Briefly describe 5 important medico-legal aspects of each of the following postmortem changes.
 - 1.2.1 Rigor mortis. (20 marks)
 - 1.2.2 Hypostasis. (20 marks)
 - 1.2.3 Putrefaction. (20 marks)

2. A 15 year old girl admitted to the surgical casualty ward of a teaching hospital with an alleged history of recent sexual assault.
 - 2.1 List the medico-legal issues in this case. (40 marks)
 - 2.2 Briefly describe the opinions a JMO would give regarding the genital injuries. (20 marks)
 - 2.3 Describe the collection, storage and dispatch of samples relevant to medico-legal investigations in this case. (40 marks)

Part B

3. A 17 years old female was found dead inside a deserted house. Multiple blood stains were observed on the walls and on the floor of the room.
- 3.1 List medico-legal issues that have to be considered by the JMO during the examination. (30 marks)
- 3.2 Describe what trace evidence you would collect from this scene. (30 marks)
- 3.3 Describe how you would perform the crime scene examination of this incident. (40 marks)
4. Write notes on the following
- 4.1 Consent. (25 marks)
- 4.2 Professional misconduct. (25 marks)
- 4.3 Sri Lanka Medical Council. (25 marks)
- 4.4 Civil Medical negligence. (25 marks)

Part C

- 5.1 Explain the different methods of administration of poisons to the human body. (20 marks)
- 5.2 List post mortem features of paraquat poisoning. (40 marks)
- 5.3 Write, giving reasons, the most valuable productions that should be sent following an autopsy to the Government Analyst department in suspected cases of poisoning with:
- a) Ethyl Alcohol (10 marks)
- b) Heroin abuse (10 marks)
- c) Corrosive poisoning (10 marks)
- d) Paracetamol poisoning (10 marks)