



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE

Third Examination for Medical Degrees Part II - September 2011

FORENSIC MEDICINE - PAPER 1

Answer ALL FIVE Questions.

9.00 am to 12.00 noon (3 hours)

Answer each PART in a SEPARATE BOOK.

Part A

1. An adult male was found dead by the side of the road. There was an injury on the left temporal region of the head, which looks like a firearm injury.
 - 1.1 List five possible causes of death. (20 marks)
 - 1.2 Describe the crime scene visit examination of this incident. (40 marks)
 - 1.3 Describe how you would determine the possible circumstances of death at the postmortem examination. (40 marks)

Part B

2. A 15 year-old girl is brought to you for medico-legal examination. She has eloped with her boy friend 6 days ago and found on the day prior to the examination by you. A woman police constable is accompanying her but her parents are not available. Police wants to produce her to the magistrate for medico-legal purposes and wants you to carry out a medico-legal examination.
 - 2.1 Describe briefly the issues related to 'consent' in examining this patient. (20 marks)
 - 2.2 Police also wants to know whether she has been 'raped'. Describe how you would handle this request with regard to professional secrecy. (40 marks)
 - 2.3 Describe briefly about 'privileged communication' with regard to this case scenario. (40 marks)

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Part C

3. A male body was recovered by the police in a deserted house with sharp force injuries to head and neck area. Multiple blood stains were observed on the walls and the floor of the room.
- 3.1 List the medico-legal issues that should be considered by the JMO during the post-mortem examination. (30 marks)
- 3.2 Describe the possible blood stain patterns you would expect to see at the scene with their interpretation. (70 marks)

Part D

4. 4.1 List **eight** pathological states that can mimic alcohol intoxication. (40 marks)
- 4.2 Describe how you would ascertain whether a driver is under the influence of alcohol. (60 marks)

Part E

5. A 40 year-old farmer was found unconscious near a paddy field. An empty bottle with paraquat label was found nearby. He died 15 days later in the hospital.
- 5.1 List **five** clinical manifestations of paraquat poisoning. (20 marks)
- 5.2 Describe the postmortem findings you would expect in this case. (40 marks)
- 5.3 Describe the collection, storage and dispatch of necessary samples in this case. (40 marks)