



FACULTY OF MEDICINE
UNIVERSITY OF RUHUNA

Third Examination for Medical Degrees -Part II –July 2006
FORENSIC MEDICINE - PAPER I

Wednesday 26th July 2006
9.00 am to 12.00noon

Answer ALL FIVE Questions.

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

Part A

1. A packed major stand of a football stadium collapsed during an international match. The match was attended by football fans of many countries. Hundreds of casualties including dead were evacuated to the nearest tertiary care hospital by the emergency services. It was revealed later that the particular stand was not maintained appropriately by the relevant authorities and they have issued tickets exceeding the capacity of the stadium.

- 1.1. What are the medico-legal issues of this case? (20 marks)
- 1.2. Describe how you would perform an examination of scene in this situation. (30 marks)
- 1.3. Describe the autopsy procedure and findings with a view to identifying the dead. (50 marks)

2. Write short notes on

- 2.1. Shaken Baby Syndrome (25 marks)
- 2.2. Res ipsa loquitor (25 marks)
- 2.3. Diffuse Axonal Injury (25 marks)
- 2.4. Marshal's Triad (25 marks)

Part B

3. A 30 year old man was found dead in his room with a stab injury on the chest.
 - 3.1. How would you document the injuries at the autopsy. (30 marks)
 - 3.2. Discuss how you would reconstruct the features of the alleged weapon by the autopsy findings. (35 marks)
 - 3.3. Describe how you would ascertain the manner of death in this case. (35 marks)

4. A 25 year old virgin girl has been sexually abused.
 - 4.1. List the possible laws under which the assailant could be charged for rape. (20 marks)
 - 4.2. Discuss how you would prove in a court of law that sexual intercourse has taken place. (50 marks)
 - 4.3. List the specimens you would take from the victim to identify the alleged suspect. (30 marks)

Part C

5.
 - 5.1. Describe how you would distinguish between entry wounds and exit wounds, of firearm injuries. (30 marks)
 - 5.2. Discuss the basic principles involved in the estimation of range of fire in injuries caused by smooth bore weapons. (35 marks)
 - 5.3. An army soldier is found dead in his bed room. Police suspect that he has committed suicide by shooting himself with his revolver. What autopsy features would favour a suicide. (35 marks)