



FACULTY OF MEDICINE UNIVERSITY OF RUHUNA
Third Examination for Medical Degrees (Part II) – July/August 2013

FORENSIC MEDICINE - PAPER I

Answer ALL FIVE Questions.

Answer each PART in a SEPARATE BOOK.

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

UNIVERSITY OF RUHUNA
FACULTY OF MEDICINE, GALLE.
30 JUL 2013

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Part A

1. A 25 year-old male soldier was found dead in the barrack with a rifled firearm injury to the right temporal area.
 - 1.1 Describe how you would perform the crime scene examination in this case. (15 marks)
 - 1.2 Describe how you would perform the post-mortem examination of this case. (35 marks)
 - 1.3 How would you determine the manner of death in this case? (25 marks)
 - 1.4 How would you write the cause of death in the post-mortem report? (25 marks)

2. A body of a male was found in his room with a cut injury on the neck. The scene was disturbed with evidence of violence.
 - 2.1 List five medico-legal issues of this case. (15 marks)
 - 2.2 Describe how you would perform the crime scene examination of this case. (25 marks)
 - 2.3 Describe the bloodstain patterns you would expect to see at the crime scene giving the medico-legal importance of it. (35 marks)
 - 2.4 Describe how you would perform the dissection of the neck in this case. (25 marks)

Part B

3. The Police have recovered a fresh dead body of a young, male person in an abandoned house. There was a firmly held 2 mL syringe in his right hand. A small empty bottle and partially burnt cigarette butts were found at the scene. This death was informed to the judicial medical officer by the Police.
 - 3.1 List five medico-legal issues of this case. (10 marks)
 - 3.2 Describe the findings that you would expect during the external examination of the deceased. (25 marks)
 - 3.3 Describe the pathophysiology of the internal findings expected at the autopsy. (25 marks)
 - 3.4 Discuss the special investigations that you would request in this case. (20 marks)
 - 3.5 Describe the special precautions you would adopt when performing the autopsy of this case. (20 marks)

Part C

4. An executive officer employed in a private company sustained severe chest injuries following collision of his car with a motor truck during an official journey. He was admitted to a tertiary care hospital and several blood transfusions were given during the early stage of the management.

Subsequently he was found to have severe hypoxaemia and diffuse lung opacities in the chest radiograph. He was transferred to Intensive Care Unit for further management. The truck driver had minor injuries and was said to have been under the influence of alcohol at the time of the incident.

- 4.1 What is the most likely clinical diagnosis of the hospitalized victim? *(5 marks)*
- 4.2 Describe the pathophysiology and causes of the condition stated in 4.1. *(25 marks)*
- 4.3 What are the medico-legal issues of this case? *(15 marks)*
- 4.4 Describe your plan for the medico-legal examination and the expected findings of the victim with a view to assess him for compensation. *(35 marks)*
- 4.5 Discuss the legal provisions related to drunken driving in Sri Lanka. *(20 marks)*

5. Two school girls aged 14 and 16 years of a remote school were abducted by a politically influenced gang in the area while they were returning home after attending a private class. They were said to have been kept in an abandoned tea factory in isolation for 10 days before police raided the venue and rescued them. It was revealed that the children were physically tortured and subjected to sexual abuse during their captivity. The children were directed for medico-legal examination by the magistrate.

- 5.1 What are the medico-legal issues of this case? *(10 marks)*
- 5.2 Describe the ethical principles that should be followed during the medico-legal examination of this case. *(25 marks)*
- 5.3 Describe how you would perform the medico-legal examination of children in this case. *(25 marks)*
- 5.4 Discuss the further management of victims and the specific role of the judicial medical officer in that process. *(15 marks)*
- 5.5 Describe the legal provisions related to torture and child sexual abuse in Sri Lanka. *(25 marks)*