

UNIVERSITY OF JAFFNA - SRI LANKA  
FACULTY OF MEDICINE  
SECOND EXAMINATION FOR MEDICAL DEGREES (1ST) -  
OCTOBER 2018 FORENSIC MEDICINE

Date: 22.10.2018

Duration: 03 Hours

Answer all five questions and use separate booklets for Part A, B & C

PART A

1. A middle aged alcoholic man who was living alone found dead at his house. He was lying on the ground facing up with injury to back of the head. You are asked to conduct postmortem examination on this case.
  - 1.1. List the possible causes for his death. ( 20 marks)
  - 1.2. How will you form an opinion as to the circumstances of causation of injuries? ( 30 marks)
  - 1.3. What are the investigations you will do in this case? ( 25 marks)
  - 1.4. List the medico-legal importance in this case (25 marks)
2. A young man found dead by the side of the road with injuries.
  - 2.1. List the possible causes for his death. (20 marks)
  - 2.2. If he was knocked by a motor car what are the injuries you expect in this case? ( 40 marks)
  - 2.3. If there were firearm injuries to the head, how will you differentiate whether it is an entry wound or an exit wound (40 marks)

### PART B

3. A 26 year old female presented to the Office of Judicial Medical Officer (JMO) with a history of assault by an acquaintance 2 days ago. She complained of abdominal pain and mild vaginal bleeding following a blow to her lower abdomen. As a part of the investigation, the assistant JMO explained the need to perform a vaginal and digital rectal examination. She consented but was obviously unhappy about it. She asked him if it could be done by a female doctor. The only female doctor in the unit was on leave at that time

Because of the doctor's busy schedule he decided to go ahead with the examination despite the unavailability of a female chaperone. On the following day, the director of the hospital received a complaint from the patient's boyfriend accusing the assistant JMO of inappropriately touching the patient.

The SLMC also decided to initiate an inquiry into this incident on the grounds of alleged serious professional misconduct following a complaint received by them related to an improper and negligent examination.

- 3.1 Describe basic elements of obtaining valid consent for any medical intervention. (20 marks)
- 3.2 Describe the administrative and ethical procedure to be followed in examining a female patient in a hospital ward/unit. (15 marks)
- 3.3 Discuss 'serious professional misconduct' and its application in this incident. (20 marks)
- 3.4 Describe the investigative mechanism followed by SLMC regarding the complaints received from public. (20 marks)
- 3.5 Describe how you would determine alleged negligence in this case. (15 marks)
- 3.6 Briefly state the legal provisions related to criminal medical negligence in Sri Lanka. (10 marks)

4. The Police have recovered a fresh dead body of a young, male person in an abandoned house. The deceased appears to be emaciated and having poor personal hygiene. There was a firmly held 2 mL syringe in his right hand. A small empty bottle and partially burnt cigarette buds were found at the scene. This death was reported to the judicial medical officer by the Police.
- 4.1 List five medico-legal issues related to this case. (10 marks)
- 4.2 Describe the possible external examination findings of the deceased. (25 marks)
- 4.3 Describe the pathophysiology of the internal findings expected at the autopsy. (25 marks)
- 4.4 Discuss the special investigations that you would request in this case. (20 marks)
- 4.5 Describe the special precautions you would adopt when performing the autopsy of this case. (20 marks)

### PART C

5. A teenage girl is admitted to casualty ward with a history of alleged sexual abuse on the same day.

5.1 List the laws related to sexual abuse in Sri Lanka (10 marks)

5.2 List the medico-legal issues related to this case (40 marks)

5.3 Describe how you would collect and dispatch biological samples in this case (50 marks)