



UNIVERSITY OF JAFFNA, SRI LANKA
SECOND EXAMINATION FOR MEDICAL DEGREES

PARTI- MAY 2020/2021

FORENSIC MEDICINE-Paper II

Date:19.05.2025

Date: 9.00 am. to 12.00 am. (3 hours)

Answer all 5 questions

Answer each part in a separate book

Part – A

1.

- 1.1 List five plant poisons and their toxic substance / s. (20 marks)
- 1.2 Describe the clinical features and findings of deaths that occur following poisoning by the plants mentioned in question 1.1 (80 marks)

2. A male house officer has been alleged to have sexually assaulted a female patient during the breast examination in the surgical clinic. He examined the young women without a chaperon, and there was no eyewitness. Later he was reported to the Sri Lanka Medical Council (SLMC), and ministerial inquiry also started. Subsequently, he was charged for medical negligence and sexual offense.

- 2.1 Describe disciplinary proceedings the SLMC would adopt against the doctor. (30 marks)
- 2.2 Discuss the components of serious professional misconduct. (20 marks)
- 2.3 Describe how you would establish medical negligence in this case. (30 marks)
- 1.4 Briefly discuss the ethical principles that have been breached during the clinical examination in this case. (20 marks)

3.

- 3.1 Outline the features of entry wound caused due to rifled firearm at different distances. (50marks)
- 3.2 Compare and contrast the appearance of ligature marks in hanging and ligature strangulation (50 marks)

Part B

4. A 15-Year-old girl was found alone at a bus stand in an early morning at 4 am. The police officers brought her to hospital and she gave history of sexual abuse by two unknown drug addicts on the previous day night. Alcohol smell was noticed on her breath and there was a genital tear with excessive bleeding which needed immediate medical intervention.

4.1. List the medico-legal issue in this case (10 marks)

4.2. Outline the issues to be consider in obtaining consent for surgery in this patient. (15 marks)

4.3. You are called at midnight before the surgery for the initial medico-legal assessment. Describe the steps that you would follow. (25 marks)

4.4 The alleged assailant was produced to you on next day by the police. Discuss how you would proceed with the medico-legal examination. (30 marks)

4.5 It was found that her parents were separated, and she was living with her grandma. Briefly discuss the measures that you would take to ensure the safety of the child before the discharge from the hospital. (20 marks)

5. A 68-year-old man was found dead at the roadside near a pedestrian crossing on a Saturday morning. He was last seen at the party with his friends the previous night. He was a known patient with Hypertension and diabetes. He has twice been admitted to the hospital with a history of chest pain and treated for unstable angina. The investigating police officers noticed a few abrasions on his body.

5.1 List five (5) medico-legal issues related to this case (10marks)

The police officers suspected road traffic trauma or fall as a cause of death, while relatives strongly suspected foul play.

- 5.2 Discuss the autopsy features that favour the fall in this case (30marks)
- 5.3 Discuss the autopsy features that favour the road traffic trauma in this case (30 marks)
- 5.4 List the five (05) possible natural causes that could have cause the death of this person (10marks)
- 5.5 Discuss the macroscopic and microscopic features of the heart in this autopsy (20marks)