

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**SECOND EXAMINATION FOR MEDICAL DEGREES (2nd) – DECEMBER 2020**  
**FORENSIC MEDICINE**

Date: 19.12.2020

Time: 9.00 am to 12.00 pm (3 hours)

ANSWER ALL THE FIVE QUESTIONS

Answer each **part** in a separate answer book.

**PART A**

1. A 40-year-old manual worker was found unconscious on the roadside on a Saturday night. He was brought to hospital Emergency treatment unit by police officers. External examination revealed abrasions on the head and limbs. Subdural hemorrhage was detected on the CT scan. He died before the medical intervention. The relatives of the deceased suspected involvement of the third party in this death.

1.1. Discuss the medico-legal significance of abrasions in this case (10 marks)

1.3 Briefly discuss the important details in history that you will obtain from relatives prior to the autopsy? (10marks)

1.4 Briefly discuss the possible circumstances of death in the above case (20 marks)

1.5 What are the special dissections that you will perform in this autopsy to exclude intentional violence? (10 marks)

1.6 Discuss the autopsy findings that could help to determine the circumstances of death (30 marks)

1.7 List the three (03) samples that you would collect during the autopsy for toxicological analysis and briefly mentions their significance in this case. (10 marks)

1.8 During the autopsy you have incidentally found evidence of sexually transmitted infection (STI) in the deceased. Briefly mention the ethical issues in revealing this finding to the relatives. (10 marks)

2. A 14-year-old female child admitted to the hospital with the history of chronic sexual abuse.

2.1. Discuss the different presentations of child sexual abuse. (20 marks)

2.2. Outline the details that you will obtained from child during the history taking process. (20 marks)

2.3. Discuss the possible genito-anal examination findings that you would expect in this child  
( 30 marks)

2.4. List three (03) possible referrals that you will do following your examination and mention the reasons for each referral  
(15 marks).

2.5. Briefly discuss the phyco-social factors that you will consider prior to the discharge of this child  
(15 marks)

## **PART B**

### **3.**

3.1. Briefly describe what you understand by the term “Inquest”. (30 marks)

3.2. List ten (10) circumstances where you should request an inquest. (30 marks)

3.3. Critically analyze the difficulties in current inquest system in Sri Lanka (40 marks)

**4.** A 24 year old male was found dead around 9’O clock in the morning by his roommates. According to the details obtained, they have watched television until 12 midnight on the previous day and gone for sleep.

4.1. List five (5) possible natural causes of death except those due to cardiac origin.  
(30 marks)

4.2. Discuss how you would investigate into this case. (70 marks)

### **5.**

5.1. Describe the criteria that should be fulfilled for informed consent to be valid.  
(20 marks)

5.2. Discuss the legal consequences of not obtaining valid consent in medical and medico-legal practice  
(20 marks)

5.3. Outline the circumstances where informed consent is not required in medical and medico-legal practice.  
(20 marks)

5.4. Briefly discuss the issues of consent in minors in relation to medical and medico-legal management  
(40 marks)