

THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HUMANITIES AND SOCIAL SCIENCES
DEPARTMENT OF LEGAL STUDIES
LL.M IN CRIMINAL JUSTICE ADMINISTRATION DEGREE PROGRAMME
FINAL EXAMINATION (FIRST YEAR) - 2023/2024
LLPA408 – MEDICAL SCIENCE IN CRIMINAL INVESTIGATION
DURATION: 03 HOURS



Date: 03.11. 2024

Time: 09.30 a.m. - 12.30 p.m.

Total Number of Questions: 06

Answer only FOUR questions.

Candidates will be penalized for illegible handwriting.

01. Write short notes on the following. Include definition, clinical features and the possible category of hurt in your answer.

- | | |
|-----------------------------------|------------|
| a). Grazed abrasion on chest wall | (25 marks) |
| b). Stab injury on the abdomen | (25 marks) |
| c). Fracture on the skull | (25 marks) |
| d). Laceration on the forehead | (25 marks) |

02. A 14-year old boy was found hanging with a nylon rope, from a ceiling fan, inside a school hostel room which he was sharing with five (5) other students.

- | | |
|---|------------|
| 2.1. Briefly describe the term hanging? | (20 marks) |
| 2.2. List five (5) different features (external and internal) a doctor would use to differentiate hanging and ligature strangulation. | (40 marks) |
| 2.3. List two (2) different samples a doctor would collect from the body at the autopsy. | (10 marks) |
| 2.4. Briefly describe the inquest procedure pertaining to this death. | (30 marks) |

03. A female child was employed as a domestic servant by a couple. She was produced by the police to the doctor with allegation of physical child abuse. The couple gave a statement to the police that they are unaware of the parents of the child.

3.1. List four (4) other different types of child abuse.
(10 marks)

3.2. Briefly describe the main steps of the medico legal examination of this child conducted by the doctor.
(40 marks)

3.3. Briefly describe the procedure adopted by the doctor in determining the age of this child.
(30 marks)

3.4. List five (5) government agencies who would involve in the medico legal management of this child.
(20 marks)

04. A man who was working in a restaurant was shot with a revolver by an unknown person.

4.1. List five (5) objectives of conducting the crime scene examination.
(20 marks)

4.2. Describe the important steps of the autopsy conducted by the forensic pathologist.
(60 marks)

4.3. State four (4) important opinions a forensic pathologist could express in the courts pertaining to this case.
(20 marks)

05. The police informed the courts regarding a surreptitious disposal of a person who was missing for 6 months. The magistrate has ordered an exhumation.

5.1. Briefly explain the term exhumation.
(20 marks)

5.2. Describe how a forensic pathologist can assist in the medico legal investigation (exhumation and autopsy) of this case
(50 marks)

5.3. State five (5) difficulties a forensic pathologist would face during the autopsy of this body.

(30 marks)

06. Describe the different injury patterns and mechanism of its causation which you may observe in a pedestrian who was knocked down by a motor car.

(100 marks)

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