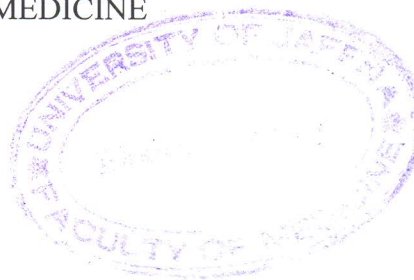


UNIVERSITY OF JAFFNA, SRILANKA
SECOND EXAMINATION FOR MEDICAL DEGREES PART II(1st) – AUGUST 2015
FORENSIC MEDICINE

Date: 03.08.2015

ANSWER ALL THE **FIVE** QUESTIONS

Answer each **PART** in separate answer book



Time: 3 hours

PART A

1. A car travelling in a high speed was knocked down a pedestrian who was crossing the road and then collided with an oncoming vehicle. The driver was also injured and he was arrested by the Police and produced to the medical officer.
 - 1.1 As a medical officer list five (5) steps you could take in the medico legal examination of this driver. (25 marks)
 - 1.2 State the contents of the motor traffic act related to drunk and drive. (25 marks)
 - 1.3 List five (5) important medical conditions you will exclude before certifying that he was under the influence of alcohol. (25 marks)
 - 1.4 Relatives of the injured pedestrian claims that the person produced by the police is not the driver of the car at the time of the accident. By examining the patient how can you establish that he was the driver or not. (25 marks)

2. You have been ordered by the Magistrate Jaffna to visit the scene of death and to conduct postmortem examination of a middle aged woman found dead in front of her house with injuries.
 - 2.1 List five (5) steps you will consider in your scene visit. (20 marks)
 - 2.2 State briefly how you will transport the body to hospital mortuary for postmortem examination. (20 marks)
 - 2.3 If in your external examination, only major injury found was a laceration on the back of the head. After completing your postmortem examination how can you differentiate that the injury found was due to a fall or due to an assault with a blunt weapon. (25 marks)
 - 2.4 If there are firearm injuries, how can you differentiate an entry wound from an exit wound? (25 marks)
 - 2.5 When you open the head, major finding was basal subarachnoid haemorrhage; state two (2) causes for your findings. (10marks)

PART B

3. Write short notes on
 - 3.1 Medico legal examination form (30 marks)
 - 3.2 Cause of death (30 marks)
 - 3.3 Hypostasis (40 marks)
4. A 30 years old goldsmith collapsed and died following ingestion of a fluid found inside the workplace
 - 4.1 What could be the poison which killed this person? (10 marks)
 - 4.2 Describe the autopsy features of the above poison (40 marks)
 - 4.3 Describe the circumstances, clinical features and post mortem findings of Gloriosa superba poisoning (50 marks)

PART C

5.
 - 5.1 Describe the appearance and causation of 06 characteristic injuries or injury patterns in physical child abuse. (30 marks)
 - 5.2 List five (5) conditions as part of a differential diagnosis in physical child abuse (15 marks)
 - 5.3 As medical officer, give your opinion and explanation for the following in a 15 year old victim of suspected sexual abuse. (20 marks)
 - a. A recent tear of the hymen at 6 o clock position
 - b. A healed tear of the hymen at 7 o clock position
 - c. A contusion of the navicular fossa
 - d. Vaginal swabs positive for spermatozoa
 - 5.4 Describe three (3) types of general injuries in the body in a 30 year old married victim of recent rape and explain how these injuries was caused (30 marks)
 - 5.5 Name five (5) samples a judicial medical officer may obtain from the 30 year old woman mentioned in above. (05 marks)