



FACULTY OF MEDICINE, UNIVERSITY OF KELANIYA
SECOND EXAMINATION FOR MEDICAL DEGREES
UNIT 4 EXAMINATION
PAPER II -STRUCTURED ESSAY QUESTIONS

Date : 07-09-2015

Time Allowed : 3 hours

INDEX NO:

Answer all questions. Answer each question in the space provided.

1. The naked body of a young woman was recovered in a travelling bag which was left in an isolated wooded area during the early morning hours. As Medical Officer- Medico Legal (MO-ML) you have been called to this scene.

1.1 State four (04) observations you would like to make at this scene indicating the medico legal significance of each. (20 marks)

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External examination of the body revealed petechial haemorrhages on the conjunctivae and a few marks of injury on the neck.

A sample was obtained for DNA testing.

1.2 Name one (1) type of sample you would obtain for DNA testing to identify the perpetrator. State the procedure involved in the preservation of this sample. (10 marks)

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1.3 Name one (01) other pre autopsy investigation you would like to perform on the body of this young woman. (10 marks)

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1.4 List five (05) findings at autopsy that would indicate sexual intercourse prior to death. (20 marks)

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1.5 Explain how the presence of conjunctival petechial haemorrhages would assist you in concluding the cause of death as manual strangulation. (20 marks)

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1.6 Briefly describe four (04) other important autopsy findings that indicate manual strangulation as the cause of death. (20 marks)

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2. According to the World Health Organization 90% of deaths due to road traffic injuries are in middle and low income countries where majority are vulnerable road users.

2.1 Define the term 'vulnerable road user (VRU)'. (10 marks)

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2.2 List five (05) common types of VRU in Sri Lanka. (10 marks)

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A 19 year old female pillion rider fell when the motor bike she was travelling in was trying to overtake another vehicle. She was run over by a lorry coming from the opposite direction. The hospital doctors certified her as dead on admission. You are the Medical Officer- Medico Legal (MO-ML) who has been assigned to conduct the post-mortem examination on an order by the Magistrate.

2.3 List five (05) injuries that could have caused her death within few minutes of the accident. (20 marks)

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2.4 State five (5) post-mortem findings that would confirm that she was run over by the lorry. (25 marks)

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The face of the deceased was deformed and identification was impossible.

2.5 State how you can help the police to identify the body of this individual. (20 marks)

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2.6 State the procedure that you are going to follow in obtaining a blood sample for alcohol in the deceased. (15 marks)

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