

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXNMINATION
JULY 1990

Date: 2nd July 1990

Time : 2.00 p.m. - 5.00 p.m

PAPER I

Answer all five questions.

Commence each question on a new page.

1. Discuss the information of forensic importance that may be obtained from the examination of stab injuries.

2. Outline the law on "Infanticide" in Sri Lanka. Discuss how you would establish "Live Birth" at autopsy.

3. Outline the circumstances under which an exhumation is indicated. Describe the procedure and safeguards that should be employed when performing an exhumation.

4. Discuss the interpretation of finding obtained in the course of an examination of a married female brought to you complaining of rape.

5. Discuss the factors that modify the effects produced by the ingestion of ethyl alcohol.

POTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY 1990

Date: 3rd July, 1990

Time : 9.00 a.m. to 12.00 noon

PAPER II

Answer all 10 questions.

Commence each question on a separate page.

1. Describe the autopsy demonstrations of air embolism.
2. Outline the causation of death in criminal abortion.
3. Outline the value of photography in forensic work.
4. Discuss Locard's principle in relation to examination of a scene of crime.
5. Discuss "consent".
6. Write notes on traumatic asphyxia.
7. Write notes on traumatic subarachnoid hemorrhage.
8. Outline the modes of death in solvent abuse.
9. Describe the clinical features of poisoning with Datura.
10. Describe the lesions of the aorta, which may cause sudden (natural) death.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY 1991

Date: 8th July, 1991

Time: 2.00 p.m.-5.00 p.m.

PAPER I

Answer all five questions.

Commence each question on a new page.

1. Discuss how you will differentiate between suicidal and homicidal incised wounds.
2. Discuss the autopsy appearances in a case of death due to electrocution.
3. Discuss the importance of the examination of the hand in (clinical and pathological) forensic practice.
4. Discuss "consent."
5. Discuss how you will establish the cause of death at autopsy, of a partially burnt body.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY 1991

Date: 9th July, 1991

Time: 9.00 a.m.-12.00 noon

PAPER II

Answer all ten questions.

Commence each question on a separate page.

1. Outline the significance of "embolism" detected at autopsy.
2. Discuss the importance of odontology in forensic practice.
3. Describe "traumatic asphyxia".
4. Discuss the significance of hypostasis.
5. Write a note on the interpretation of contusions.
6. Outline the postmortem manifestations seen in a case of death due to poisoning with paraquat.
7. Explain the term "drowning".
Indicate how you will "prove" drowning as a cause of death.
8. Outline the law on human organ transplantation, in Sri Lanka.
9. Discuss how you will diagnose "battered baby."
10. Discuss the pathology of pneumoconiosis.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY 1992

Date: 6th July, 1992

Time: 2.00 p.m.-5.00 p.m.

PAPER I

Answer all five questions.

Commence each question on a new page.

1. A 45-year-old male, who was apparently healthy, has died suddenly.
Discuss how you would arrive at the cause of death.
2. Discuss the clinical diagnosis of drunkenness.
3. Compare and contrast the autopsy features of death due to hanging, and by strangulation by ligature.
4. Discuss "Medical Negligence".
5. A partially burnt body is recovered from a burnt-down house.
Describe how you will establish the cause of death. (Autopsy techniques not required).

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY 1992

Date: 7th July, 1992

Time: 9.00 a.m.-12.00 noon

PAPER II

Answer all ten questions.

Commence each question on a separate page.

1. Explain what is meant by "Endangering life" in relation to the law of hurt.
2. Describe the mechanisms of production of traumatic sub-arachnoid hemorrhage.
3. Describe the appearances of a contact entry wound caused by a rifled weapon.
4. Give an account of the information of medico legal importance that is obtainable by examination of the human femur.
5. Discuss the importance of bloodstains and splashes at a scene of crime.
6. Describe the laboratory investigations that are useful in establishing death by drowning. (Details of procedure are not required).
7. Describe what specimens you will collect at autopsy, and how you will send them to the Government Analyst for toxicological analysis.
8. Describe the different patterns of abrasions diagnostic of different traumatic situations.
9. Describe the skin manifestations seen in victims of lightning.
10. Describe the possible clinical findings in a victim of sodomy.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY, 1993

Date: 5th July, 1993.

Time: 2.00 p.m. - 5.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. Outline the legal concept of negligence.
Illustrate with diverse example the application of this concept in medical practice.

2. A patient ingests paraquat and dies three weeks later. Describe the clinico-pathological evolution in this case.

3. Discuss the investigation of deaths in police custody.

4. Describe the external and internal appearances of wounds caused by handguns and explain the mechanisms of causation.

5. Discuss the interpretation of the possible clinical and laboratory findings in a case of alleged rape and attempted manual strangulation.

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY, 1993

Date: 6th July, 1993

Time : 9.00 a.m. - 12.00 noon

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. What useful forensic information may be gained by the examination of abrasions?
2. Describe the features that distinguish homicidal from suicidal cutthroat injuries.
3. Discuss the medico-legal importance of hypostasis.
4. Discuss the concept of death.
5. Distinguish between a fatal blow to the back of the head and a fall backwards.
6. Outline the basis of DNA fingerprinting and enumerate its forensic applications.
7. Describe the features of cyanide poisoning that may be seen at autopsy. What specimens should be collected for toxicological analysis?
8. Classify the causes of non-atherosclerotic sudden cardiac death.
9. In a fatal car accident how would the injury pattern enable the driver to be distinguished from the front seat passenger?
10. Outline the role of radiology in multiple deaths from bomb explosions.

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY, 1994

Date: 5th July, 1994

Time :- 2.00 p.m. - 5.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. At first postmortem conducted by a junior medical officer, the cause of death in the case of a wealthy businessman was given as "gastroenteritis". Consequent to a petition alleging poisoning, you are asked to do an exhumation. Describe your exhumation/autopsy procedure, including method of removal of specimens for toxicology.
2. Discuss the importance of a visit (by the pathologist) to the scene, in a case of death by hanging.
3. Describe how you will establish "live birth" at autopsy, where the fresh body of a newborn, placenta, and cord are made available to you.
4. Discuss the value of diagnostic imaging in the investigation of non-accidental injury in children.
5. A young man arrested for apparent drunkenness becomes unconscious while in police custody. Discuss your differential diagnosis.

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY, 1994

Date: 6th July, 1994

Time : 9.00 a.m. - 12.00 noon

PAPER II

Answer all questions

Commence each answer on a separate page.

1. Write notes on "sexual asphyxias".
2. Describe your further procedures in a case of so-called "Negative autopsy".
3. Outline the causes of traumatic sub-arachnoid hemorrhage. Describe the ancillary investigations that may help you to identify the bleeding point.
4. Outline the hazards of intravenous heroin abuse.
5. Discuss the medico-legal problems that may arise with regard to an injury to a tooth.
6. Outline the principal odontology techniques of value in forensic medicine and pathology
7. Write a note on "fatal accidents in the home".
8. Describe the common causes, sites, and clinical effects of extra-dural hemorrhage.
9. Define "implied" and "expressed" consent.
Give examples of circumstances where each is required.
10. Write a note on the usefulness of trace evidence, and on its preservation.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE
JULY, 1995

Date: 3rd July, 1995

Time: 2.00 p.m.- 5.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. Describe the procedure for the examination of the neck at autopsy in a case where compression of the region is suspected.

2. A body found in a room appears to have died as a result of extensive violence. There is substantial blood staining surrounding the deceased. Discuss how blood distribution and pattern analysis can assist in the investigation.

3. The fresh body of a young adult female reported missing for two days is recovered from a river. Discuss how you would investigate this case to ascertain the cause and circumstances of death.

4. In the case of death following a recent head injury, how would an examination of the brain be useful in expressing an opinion that it was not possible for the individual to speak or walk.

5. A 3-year-old child is brought to the casualty department in a hospital by the parents with a history of fall. How should the medical officer proceed to investigate so as to exclude non-accidental injury to the child?

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY, 1995

Date: 4th July, 1995

Time :9.00 a.m. - 12.00 noon

PAPER II

Answer all questions.
Commence each answer on a separate page.

1. Discuss the role of forensic entomology in estimating time since death.
2. Discuss the usual circumstances, mechanisms and causes of death in drug addicts.
3. What would you record as a 'dying declaration' in a case of 'criminal miscarriage'?
4. What may be observed at the scene and at autopsy in a case of electrocution by household current.
5. Describe the significance of petechial hemorrhages in medico-legal work.
6. Describe the safety measures that should be employed to reduce the incidence of road traffic accidents.
7. Discuss the differential diagnosis of acute alcoholic intoxication.
8. Describe the types of professional misconduct that could lead to erasure from the register of the Sri Lanka Medical Council.
9. How would examination of a stab wound at autopsy assist in identifying the features of the causative weapon.
10. Discuss the value of a Coroner's inquest.

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY, 1996

Date: 1st July, 1996

Time :- 2.00 p.m. - 5.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. Discuss the medico legal importance of embolism.
2. Discuss the legal and ethical issues in connecting a patient to a ventilator and switching it off.
3. Describe how you would investigate the death of a 20-year-old female who is suspected to have died from manual strangulation.
3. Describe the macroscopic appearances of the brain in,
 - 3.1 Primary brain stem injury.
 - 3.2 Secondary brain stem injury.
 - 3.3 Viral encephalitis.
4. Describe the likely injuries observed in falls from a height over 12 feet. Discuss how would you ascertain whether the fall was accidental homicidal or suicidal.

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY, 1996

Date: 2nd July, 1996.

Time: 9.00 a.m. - 12.00 noon

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Describe how you would differentiate between a single self-inflicted fatal stab in the precordium from a homicidal wound.
2. Outline the current law on incest in Sri Lanka.
3. Describe giving examples, ante mortem injuries that might be caused by animals.
4. Describe the likely autopsy findings in paraquat poisoning.
5. Describe the importance of examination of the eye in Forensic practice.
6. Discuss the basis on which testamentary capacity is assessed.
7. Describe the possible causes of death under general anesthesia.
8. Discuss the application of Locard's principle in relation to examination of an assailant in a case of rape.
9. Discuss the value of X-rays in the examination of firearm wounds.
10. Outline the role of the Forensic Pathologist in the investigation of Road traffic accidents.

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY 1997

Date: 7th July, 1997

Time : 2.00 p.m. - 5.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. Discuss the value of external examination of the dead body in determining the cause of death in a medico-legal investigation. (100 marks)
2. Outline the recent amendments to Section 311 of the Penal Code; discuss the advantages, which accrued there by. (100 marks)
4. Discuss the difficulties encountered by a Judicial Medical Officer in carrying out the investigation of an alleged criminal abortion in a living person. (100 marks)
4. A seven-month-old child is found dead in bed, under suspicious circumstances, by its mother.
 - 4.1. Describe the examination of the scene
 - 4.2. Discuss the interpretation of the possible findings at autopsy. (100 marks)
5.
 - 5.1. Indicate the current pattern and trends of suicide in Sri Lanka (10 marks)
 - 5.2. Discuss the methods that are adopted. (30 marks)
 - 5.3. Discuss the duties and functions of the Judicial Medical Officer in the investigation of these cases (60 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY, 1997

Date: - 8th July, 1997

Time :- 9.00 a.m. - 12.00 noon

PAPER II

Answer all ten questions.

Commence each answer on a separate page.

1. Indicate the circumstances under, which methyl alcohol poisoning may occur; describe the clinical features that may be encountered in a case of acute poisoning.
2. Describe the duties and manner in the giving of evidence by Judicial Medical Officer in a criminal case in a court of law.
3. State what is maceration of a foetus. Describe how the diagnosis of maceration could be made.
4. Explain what is mens rea and actus reus.
5. Describe the diagnostic criteria for determining brain death.
6. Explain what is criminal negligence as applied to medical practice illustrating with examples.
7. Describe the external features of shot gun wounds to the head.
8. Discuss the value of photography in forensic practice
9. Outline the clinical syndromes that may follow blunt head injuries.
10. Outline the factors that may contribute to the development of facial petechiae in manual strangulation.

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
SEPTEMBER, 1998

Date: 14th September, 1998

Time : 2.00 p.m. - 5.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. Discuss how you will describe at autopsy stab wounds produced by a sharp blade. Include in your answer how you draw conclusions about the characteristics of the weapon.

2. A 13-year-old domestic servant having three bruises in the head and thighs, is produced for medical examination. Discuss how you will investigate this case.

3. Discuss the phenomenon of post mortem artefacts in various circumstances and the difficulties they present in being differentiated from ante mortem events. How will you differentiate them?

4. A 35-year-old apparently healthy male is found dead in the police Cell.

Discuss your investigations of this case with reference to examination of the scene and the autopsy.

5. A burnt out wreck of a helicopter is found scattered over an area in a mountainous range.
How would you investigate this case?

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
SEPTEMBER, 1998

Date: 15th September, 1998

Time : 9.00 a.m. - 12.00noon

PAPER II

Answer all ten questions.

Commence each answer on a separate page.

1. Describe the special occupational hazards associated with working in a mortuary.
2. Discuss the causes and mechanism of death due to immersion in water.
3. Discuss the causes of sudden maternal death during pregnancy and delivery.
4. Describe the current laws on sexual offences.
5. Describe Mc Naughten's rules and their impact on medico legal practice.
6. Compare and contrast the causes and clinical features of extra dural hemorrhage and sub dural haemorrhage.
7. Describe the trace evidence that might be expected in a pedestrian knocked down by a car.
8. How you will estimate the stature and sex from incomplete and skeletonized human remains.
9. Discuss the contribution of the forensic pathologist elucidating a case of possible poisoning.
10. Describe the various pathogenetic mechanisms leading to death in coronary atherosclerosis.

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
SEPTEMBER, 1999

Date: - 6th September, 1999

Time : 2.00 p.m. - 5.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. A fresh body of a young adult person is recovered from a burnt building. Discuss how you would investigate this death to ascertain the cause and circumstances of death.

2. Discuss advantages/disadvantages resulting from repealing of section 311 of the Penal Code by Act. No. 22 of 1995 and substituting it with the current one. (section 311)

3. Discuss the role of ethyl alcohol in the causation of traffic accidents.

4. Discuss the role of the Forensic Pathologist in the investigation of a bomb explosion with multiple casualties.

5. Describe the changes that are seen in putrefaction and how does this process affect the interpretation of injuries.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
SEPTEMBER 1999

Date: 7th September, 1999

Time: 9.00 a.m. - 12.00 noon

PAPER II

Answer all ten questions.

Commence each answer on a separate page.

1. Explain what is 'Cross contamination' and how it could be avoided in the examination of a case of sexual assault.
2. Describe what type of lesions may give rise to 'Cardiac tamponade'.
3. Discuss the criteria for the diagnosis of brain death.
4. Describe the Pathological findings that may be seen at an autopsy in an intravenous drug abuser.
5. Discuss the use of the examination of the mouth in Forensic practice.
6. Discuss the uses of photography in Forensic practice.
7. Discuss the problems encountered in the diagnosis of sudden infant death syndrome in Sri Lanka.
8. Describe the clinical features and macroscopic autopsy findings in organophosphate poisoning.
9. Discuss the Medico-legal significance of subarachnoid hemorrhage.
10. Describe the type of injuries that may be seen in the chest from high velocity firearms.

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
MARCH, 2000

Date: - 20th March, 2000

Time : 2.00 p.m. - 5.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. Discuss how you would establish the identity of a body, which has been surreptitiously disposed by burial.
2. Discuss the value of examination of the scene of crime in a death due to multiple stab injuries.
3. Critically evaluate the methods available for certification of drunkenness in relation to driving in Sri Lanka.
4.
 - (a) Describe the typical autopsy findings in manual strangulation.
 - (b) What special autopsy techniques would you employ to avoid the common post mortem artefacts?
5. Discuss critically the inquest procedure in Sri Lanka.

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
MARCH, 2000

Date: 21st March, 2000

Time : 9.30 a.m. - 12.30 p.m.

PAPER II

Answer all ten questions.

Commence each answer on a separate page.

1. Describe the clinical features of Gloriosa Superba poisoning.
2. Outline features of hyperthermia related deaths.
3. Discuss professional Secrecy in medico-legal practice.
4. Describe the common postmortem artefacts caused by animals.
5. Outline the different injury patterns commonly observed in victims of torture in clinical forensic practice.
6. What precautions would you adopt to avoid cross infection in a mortuary.
7. Compare the injuries seen in an unrestrained driver and unrestrained front seat passenger of a vehicle following a head on collision.
8. Describe the mechanisms of production of traumatic su-arachnoid hemorrhages.
9. Describe the post mortem findings in a case of death due to lightning.
10. Discuss the forensic usefulness of blunt force injuries to the skin.

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
NOVEMBER, 2000

Date: 1st November, 2000

Time: 1.30 p.m. - 4.30 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. Discuss the problems associated with establishing live birth at autopsy.

2. A fresh body of an identified young adult male is recovered from a river.
Discuss how you would investigate this case with a view to determining the cause and manner of death.

3. Outline the current laws pertaining to child abuse in Sri Lanka.

4. What samples would you collect from a victim of alleged rape and discuss their forensic value?

5. Discuss the procedure you would carry out on a person arrested for drunken driving.

POSTGRADUATE INSTITUTE OF MEDICINE
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DIPLOMA IN LEGAL MEDICINE EXAMINATION
NOVEMBER, 2000

Date: 2nd November, 2000

Time: 9.30 a.m. - 12.30 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Write notes on "Dying declaration" as applicable to Sri Lanka.
2. Describe the injury pattern in a Suicide bomber.
3. Discuss the differences between "infamous conduct" (Professional misconduct) and medical negligence.
4. Outline what information could be gathered by external examination of firearm injuries.
5. Discuss the circumstances and clinical features of "Datura" (Attana) poisoning.
6. Discuss the main causes of death in police custody.
7. Discuss the value of entomology in a Forensic Practice.
8. Discuss estimation of the age and determination of sex from the skull.
9. Discuss the significance and differences of defence wounds and tentative injuries.
10. Briefly outline the role of a Pathologist at the scene of a suspicious death.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY, 2001

Date: 16th July, 2001

Time: 1.30 p.m. - 4.30 p.m.

PAPER 1

Answer all five questions.
Commence each answer on a separate page.

1. A 15 year old girl is brought by the police for medico-legal examination. She alleges that two strangers had sexual intercourse with her without consent a few hours ago in a secluded room. Describe the clinical examination highlighting the features that you may observe in this girl.

2. A charred body of a male is found inside a burnt car. How would you investigate this case ?

3. You are asked to give a talk to newly appointed Judicial Medical Officers on the role of an expert medical witness in Court. Discuss the contents of your talk.

4. Discuss the duties and responsibilities of a Medical Officer in a case of a patient admitted to hospital, suspected of having being deliberately poisoned.

5. A 30 year old apparently healthy male collapses and dies while out jogging. Discuss the possible causes of death.
Outline what tests or investigations you will carry out.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
JULY, 2001

Date: 17th July, 2001

Time: 9.30 a.m. - 12.30 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Describe the injuries caused by the explosion of a hand grenade.
2. Discuss the law relating to "Infanticide and compare this with English Law.
3. Describe your autopsy technique and the possible findings in a case of suspected manual strangulation.
4. Describe the methods available for the estimation of the age of a child where the chronological age is unknown.
5. Discuss the possible findings in a case of suspected shaken baby syndrome.
6. Describe the possible injuries in a restrained front seat passenger in a saloon car involved in a head on collision with another vehicle.
7. Discuss the application of "professional secrecy" in forensic practice.
8. List the causes of starvation and describe the possible postmortem findings.
9. Describe the features which may help to determine the estimation of the range of fire in a shot gun injury.
10. Describe the clinical and possible autopsy features in a case of poisoning with "Thevetia Peruviana" . (Yellow oleander).

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
NOVEMBER, 2001

Date: 5th November, 2001

Time: 1.30 p.m. - 4.30 p.m

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. A 35 year old married woman was admitted with a history of alleged induced abortion.
 - 1.1 Discuss the medico - legal issues involved. (30 marks)
 - 1.2 State how you would interpret the clinical findings in arriving at conclusions. (70 marks)

2. A partially putrefied body of a male has been washed ashore.
 - 2.1 Enumerate the medico - legal issues. (20 marks)
 - 2.2 Discuss how you would conduct the postmortem examination to find out answers to the relevant issues. (80 marks)

3.
 - 3.1 Outline the law pertaining to inquests in Sri Lanka. (50 marks)
 - 3.2 Discuss the deficiencies in the inquest procedure in Sri Lanka in comparison to the Coroner System in England. (50 marks)

4. Discuss the value of trace evidence at the scene of crime in a suspected case of murder by stabbing. (100 marks)

5. Discuss the ethical issues in forensic practice. Illustrate your answer with examples. (100 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
NOVEMBER, 2001

Date: 6th November, 2001

Time: 9.30 a.m. -12.30 p.m

PAPER II

Answer all questions.
Commence each answer on a separate page.

1. Describe the features of suicidal shot gun injuries.
2. Compare and contrast the causation and post mortem findings in "Traumatic Asphyxia" and "Postural Asphyxia"
3. Describe the possible postmortem features in a death following a snake bite.
4. Discuss how safety devices and the design of the cabin in a motor car affect the injuries in occupants of vehicles following accidents.
5. Discuss the medico-legal interpretation of a mobile tooth in a patient who alleges a fist blow to the face.
6. Describe the clinical examination and interpretation of findings in the accused in an alleged case of rape.
7. Explain what is meant by "RES IPSA LOQUITUR" and state its application.
8. Describe circumstances, mode of action, postmortem features and diagnosis of cyanide poisoning.
9. Describe the postmortem findings in a case of death following a lightning stroke.
10. Outline the important findings and opinions that should be included in submitting a report to Courts in a case of alleged torture while in police custody.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
MAY, 2002

Date: 13th May, 2002

Time: 1.00 p.m. - 4.00 p.m.

PAPER 1

Answer all questions.

Commence each answer on a separate page.

1. An undecomposed body of a young male with a penetrating injury of the head was recovered by the police early in the morning from the road side.
 - 1.1 Describe the medico-legal issues in this case. (30 marks)
 - 1.2 State how you would carry out the medico-legal investigation to resolve these issues. (70 marks)
2.
 - 2.1 State the instances in which detennination of age is required in a living person 'for civil and criminal purposes. (30 marks)
 - 2.2 Describe the methods available to ascertain the ages in relation to above and their limitations. (70 marks)
3.
 - 3.1 Enumerate the limbs of section 311 of the current Sri Lankan Penal Code. (20 marks)
 - 3.2 Discuss the application of these limbs to clinical forensic practice highlighting the difficulties faced by the Medical Officer in categorizing Hurt. (80 marks)
4. Describe the types and the manner in which you would collect, store and dispatch the appropriate samples from a young female who have been subjected to sexual assault 72 hours before. (100 marks)
5.
 - 5.1 Describe the possible ways in which workers or a gem-pit could die while working. (40 marks)
 - 5.2 How would you establish the likely causes of death in these circumstances. (60 marks)

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UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
MAY, 2002

Date: 14th May, 2002

Time: 9.30 a.m. - 12.30 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Describe briefly how a person could die in police custody.
2. Describe how you differentiate the injuries in a battered wife, from those caused by accident or self infliction.
3. Describe the difficulties and limitation in estimation of time since death from cooling of the body.
4. Discuss the common procedural errors done by police officers, inquirers into deaths and magistrates at scene of crime which will adversely affect the forensic investigation.
5. Describe briefly how you would dissect the genito-urinary tract in a female of a case of suspected criminal abortion.
6. In what instances are "Consent" applicable in a forensic practice.
7. Describe the circumstances, clinical features and post mortem findings in a case of methyl alcohol poisoning
8. Describe the principles involved in establishing identity using DNA technology.
9. What difficulties are encountered in the interpretation of autopsy findings in a case of infanticide.
10. How would you help the police in the investigation of a Road Traffic Accident to establish that the dead victim was a pedestrian.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
DECEMBER, 2002

Date: 2nd December, 2002

Time: 1.00 p.m.- 4.00 p.m.

PAPER 1

Answer all questions.

Commence each answer on a separate page.

1. Describe the possible autopsy features in a fresh body of a woman who has died after being subjected to an illegal abortion in the 12th week of gestation. (100 marks)

2. A 60 year old man has died 18 hours after being taken into custody in the police station.
 - 2.1 Discuss the possible causes of death you would consider in this person. (40 marks)
 - 2.2 How will you investigate this case from the medico legal point of view ? (60 marks)

3. Discuss the applications of DNA technology for forensic purposes. (100 marks)

4. A decomposed body is recovered. from a lagoon. How would you investigate this case in order *to* submit a formal report to courts. (100 marks)

5. Discuss the ethical and legal issues involved in the medico-legal examination of a young female of 15 years of alleged sexual abuse. (100 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
DECEMBER, 2002

Date: 3rd December, 2002

Time: 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Discuss the differences in appearance of the neck of persons who have died due to hanging (excluding judicial hanging) and ligature strangulation.
2. Discuss the difficulties encountered by a Judicial Medical Officer when establishing the time since death of a person who has apparently died about 24 hours ago.
3. Discuss the role of a medical expert witness in a case of a murder by shooting.
4. Describe the possible autopsy findings in the head of a person who was a pedestrian who has died following collision with a vehicle.
5. Discuss the circumstances, mechanism of action and the laboratory diagnosis of a acute cyanide poisoning.
6. Discuss the categorization of hurt in a person with injuries to the eye.
7. Discuss giving illustrations, the differences between civil and criminal negligence in medical practice.
8. Discuss the possible causes of sudden natural death in a chronic alcoholic.
9. How would you estimate age from dentition in a child and young adult ?
10. Explain and briefly describe the applications of McNaughten's rules.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
MAY, 2003

Date: 26th May, 2003

Time: 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.
Commence each answer on a separate page.

1. Discuss the process involved in the retrieval of bodies and the other medical issues involved in a land slide burying a class room.
2. Discuss the difficulties met in the clinical examination and interpretation of findings of sexual abuse in a female of 12 years and how you circumvent these.
3. Write up a comprehensive project proposal to set up a new Medico-Legal Service for Sri Lanka with a view to improve its service.
4. Discuss the ethical issues involved in :
 - 4.1 organ transplantation
 - 4.2 the treatment of a woman whom the medical officer suspects to have been subject to a illegal / criminal abortion.
5. Describe the scientific basis of identification :
 - 5.1 of suspects in a gang rape
 - 5.2 the vehicle in death of a pedestrian from a "hit and run" case.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
MAY, 2003

Date: 2nd May, 2003

Time: 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Discuss the medico-legal importance of hypostasis.
2. Discuss how you would estimate the range of fire caused by shooting with smooth bore firearms.
3. Explain the legal concept of hurt endangering life.
4. Discuss the circumstances and autopsy findings in death due to "traumatic asphyxia"
5. Describe the clinical features and autopsy findings in a person who has swallowed 60 ml of an organo phosphate compound.
6. Describe briefly the mechanisms of causation of injuries in a driver without wearing a seat belt of a motor car without a head rest, colliding head on with an on coming lorry.
7. Describe the external and internal injuries on the head and face areas in a child subjected to repeated physical battering.
8. Discuss the forensic implications of Diffuse Axonal Injury to the brain.
9. Discuss how you would establish live birth at an autopsy in a case of alleged infanticide.
10. Discuss how you should write a medical report for monetary compensation.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
NOVEMBER, 2003

Date: 1st November, 2003

Time: 1.00 p.m. - 4.00 p.m.

PAPER 1

Answer all questions.

Commence each answer on a separate page.

1.
 - 1.1. Describe the medico-legal examination of a drunken driver who is in charge of a vehicle on a public road. (50 marks)
 - 1.2. Discuss the shortcomings of the medico-legal examination. (50 marks)
2. A 25 year of old male dies two days after being assaulted with a club to the head. Describe the possible pathological states that would be observed at autopsy. (100 marks)
3. Discuss the difficulties encountered in the autopsy examination and interpretation of stab injuries of the anterior abdominal wall. (100 marks)
4. Describe briefly the process of obtaining vaginal samples for DNA profiling in a case of gang rape and discuss the interpretation of the results. (100 marks)
5. Describe the circumstances for the diagnosis of brain death and the method of confirming it. (100 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
NOVEMBER, 2003

Date: 18th November, 2003

Time: 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. A 40 year old chronic alcoholic admitted unconscious to hospital, dies after 7 days, without regaining consciousness.
Describe briefly, the possible causes of death.
2. Describe the circumstances and the autopsy features of air embolism (autopsy technique not required).
3. Discuss the difficulties encountered in the interpretation of injuries in the neck in a case of suicidal hanging.
4. A 20 year old woman is produced to you by the police to ascertain whether she had delivered a child 7 days ago. Describe the findings that will confirm the suspicions of the police.
5. Discuss the value of a dying declaration.
6. Discuss the instances in which a child could be referred to a Judicial Medical Officer by a Juvenile Court.
7. Discuss the conditions that could be included in the limb, "destruction or permanent impairment of powers of a joint".
8. Describe the circumstances and the clinical features of poisoning with "Adenia Palmata" (s.hondala).
9. Discuss the value of examination of blood stains at a scene of a homicide.
10. Discuss the value of cross examination of a medical expert witness in a criminal trial.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
MAY. 2004

Date: 17th May, 2004

Time: 1.00 p.m. - 4.00 p.m.

PAPER 1

Answer all questions.

Commence each answer on a separate page.

1. A 30 year old male was produced by the prison authorities to the Judicial Medical Officer. He alleges that he was tortured 6 months ago while in police custody. Discuss the medico-legal examination and interpretation of possible findings in this case. (100 marks)

2. A 70 year old male tourist was found hanging in a locked hotel room. On breaking open the room, the police found a pool of blood on the floor.
 - 2.1 Outline the medico-legal issues in this case. (20 marks)
 - 2.2 Discuss how you would arrive at the cause and manner of death. (80 marks)

3. Discuss the value of radiology and odontology in the identification of a decomposed body. (100 marks)

4. Discuss the ethical and legal issues involved in the disclosure of information in medico legal practice. (100 marks)

5. Critically evaluate the existing system of medico legal examinations in Sri Lanka (autopsy and clinical), outside office hours, with a view of improving the services. (100 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
MAY, 2004

Date: 18th May, 2004

Time: 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Briefly describe the possible macroscopic and microscopic findings in the heart, in a person who dies 7 days following a myocardial infarction.
2. Critically evaluate the laws relating to drinking and driving in Sri Lanka.
3. Discuss the value of examination of hair in medico-legal practice.
4. Explain the term criminal negligence in relation to medical practice. Illustrate your answer with 02 examples.
5. Describe the autopsy features in the lung in a person dying 2 weeks after ingestion of Paraquat.
6. Describe briefly how you would examine the scene of a bomb explosion resulting in multiple deaths.
7. Briefly discuss the issues that may be highlighted in the medico-legal report in a person with corrosive burns on the face.
8. Outline the steps of the exhumation procedure in a case of suspected poisoning.
9. Discuss the interpretation of findings in a victim of anal abuse.(examination procedure not required)
10. Discuss the circumstances and autopsy features in death due to hyperthermia.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
NOVEMBER, 2004

Date: 15th November, 2004

Time: 1.00 p.m.- 4.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. The dead body of an adult female was found near a rail track. Multiple injuries were found on the body.

Describe the autopsy findings (including investigation findings) that would enable you to determine the cause and circumstances of death. (100 marks)

2. A 02 year old child is admitted to a paediatric ward with a black eye.
 - 2.1 Discuss the role of the judicial medical officer in the investigation of this case. (40 marks)
 - 2.2 Describe the findings that would enable you to conclude that this is a case of physical child abuse. (60 marks)

3. Discuss how the external examination of the body at autopsy helps in the determination of range in firearm wounds. (100 marks)

4. The police recovers a decomposed body of an adult male from a jungle. Discuss how you would help the police to establish the identity of this person. (100 marks)

5. Discuss ,the legal and ethical issues involved in
 - 5.1 induced termination of pregnancy in the first trimester (50 marks)
 - 5.2 switching off the ventilator in a terminally ill patient. (50 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
NOVEMBER, 2004

Date: 16th November, 2004

Time: 1.00 p.m. - 4. 00 p.m.

PAPER II

Answer all ten questions.
Commence each answer on a separate page.
Please write legibly.

1. Describe how you will differentiate homicidal from suicidal stab injuries at autopsy.
2. Describe the clinical features and possible autopsy findings of Gloriosa Superba poisoning.
3. Describe the macroscopic post mortem findings in the brain of a person who has died 48 hours after an undiagnosed extradural haemorrhage.
4. Discuss the difficulties encountered in the interpretation of the injuries in the neck in a case of manual strangulation.
5. Outline the value of radiology in clinical Forensic Medicine.
6. Discuss the difficulties encountered in the interpretation of examination findings in a married woman who alleges rape.
7. Describe the indications and the procedure adopted in performing a dissection of the pelvic organs in a female.
8. Describe the nature of injuries and their mechanism of causation in a driver of a motor car involved in a head on impact with a stationary object.
9. Briefly describe the causes and mechanisms of death in victims of bomb explosions.
10. Briefly discuss the association of trauma, disease and death in a medico-legal practice.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
MAY, 2005

Date: 16th May, 2005

Time: 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. The police bring you the body of an infant found in a dustbin.
Discuss how you would establish at autopsy, whether the infant was born alive and was capable of a separate existence. (100 marks)

2. Explain the terms "endangering life", "fatal in the ordinary course of nature" and "necessarily fatal".
Illustrate your answer with two examples in each case. (100 marks)

3. Describe the procedure you would adopt in the collection, storage and dispatch of samples removed from a recently exhumed body without a previous autopsy, where there is an allegation of being killed by introducing a poison with his meals. (100 marks)

4. a) Outline the present procedure in the investigation of sudden natural and unnatural deaths in Sri Lanka. (60 marks)
b) Discuss its shortcomings and your suggestions to overcome them. (40 marks)

5. An army deserter is found dead in his bedroom with multiple perforating injuries on his body. The police suspect that the injuries were caused by the explosion of a hand grenade hidden in the bedroom. The wife of the deceased alleges that her husband was shot through the open window by a neighbour in the possession of a shotgun.
Discuss how you would help the police in the investigation. (100 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
MAY, 2005

Date: 17th May, 2005

Time: 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Discuss the value of cooling of a dead body in the estimation of time since death.
2. Discuss the causes of fat embolism and its diagnosis at post mortem examination.
3. How would you establish burns as the cause of death in a charred body ?
(exclude the scene examination).
4. Discuss the clinical diagnosis of concussion and its medico-legal significance.
5. Briefly discuss the methods available for ageing of injuries caused by mechanical trauma in the living.
6. Describe the clinical findings and their medico-legal significance, when examining the assailant in a case of rape.
7. Describe the circumstances and clinical features of methyl alcohol poisoning.
8. What is criminal negligence ? Illustrate your answer with examples.
9. Discuss the appearance and the interpretation of their causation of cut injuries to the forearm and hand.
10. Discuss the importance of diatom studies in the investigation of bodies recovered from water.
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POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER, 2005

Date : 3rd October, 2005

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer, all questions.

Commence each answer on a separate page.

1. The fresh body of a 40 year old healthy adult male was found in a car park. There were a few crescentic scratch abrasions on the front of neck and contusions on the back of chest. No other external injuries were seen.
 - 1.1. Describe the findings you would look for at autopsy in this case. (50 marks)
 - 1.2. Discuss how you would ascertain the cause of death based on the above findings. (scene examination not required) (50 marks)
2. A pedestrian was knocked down by a car while crossing the road. Discuss the interpretation of injuries found on his body. (100 marks)
3. Discuss how you would estimate the time since death in a decomposed body. (100 marks)
4. A 20 year old unmarried female complained that she was raped by a stranger 8 hours ago.
 - 4.1. List the possible injuries you may detect in this victim. (30 marks)
 - 4.2. Based on the above injuries, discuss the medico-legal opinions you would express in this case. (30 marks)
 - 4.3. List the laboratory investigations that will be useful to identify the assailant. (30 marks)
5. You are the Judicial Medical Officer in a Base Hospital. Two hundred dead bodies following a Tsunami were brought to the hospital. Discuss what procedure you would adopt to hand over the identified dead bodies to the relatives and dispose of the remaining bodies. (100 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER, 2005

Date: 4th October, 2005

Time: 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Discuss the value of examination of blood and blood stains at a scene of fatal stabbing.
2. Discuss two examples where minimal trauma can aggravate pre-existing natural disease and cause the death of a person.
3. Describe the clinical examination of a woman who is alleged to have undergone an illegal abortion.
4. Explain what is meant by Serious Professional Misconduct giving five examples.
5. Describe how you would differentiate suicidal from homicidal firearm injuries at autopsy (scene examination not required).
6. Describe the macroscopic and microscopic features that are observed in deaths due to electrocution.
7. Discuss the circumstances, clinical features and autopsy diagnosis of a death due to cyanide poisoning.
8. Discuss the value of radiology in the diagnosis of physical child abuse.
9. Outline the laws regarding drinking and driving in Sri Lanka. Briefly suggest improvements to the existing laws.
10. Describe how you would establish a new mortuary and post-mortem laboratory in a provincial hospital in Sri Lanka.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION

MAY, 2006

Date : 15 May, 2006

Time: 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. A ten year old boy is produced before you by the police. The boy alleges that the school master has had anal intercourse with him for over a period of 3 months and that the last such act took place this morning.
 - 1.1. Briefly mention the laws covering such an offence (20 marks)
 - 1.2. Describe the procedure you would adopt in conducting the clinical examination and the collection of samples for laboratory analysis. (30 marks)
 - 1.3. Discuss the interpretation of clinical and laboratory findings. (50 marks)
2. The police have brought to you a sealed box containing a skull (with few attached vertebrae) believed to be that of a known 30 year old army deserter whose headless body was found 3 months ago.

Discuss how you would help the police to establish that this skull is that of the said army deserter (100 marks)
3. Discuss the use and value of photography in a forensic practice. (100 marks)
4. Discuss the ethical and legal issues involved in the disclosure of information in a medical practice. (100 marks)
5. The body of an identified adult male who was missing from home for the past 3 days is found floating in a lake.
 - 5.1. Outline the possible circumstances. (20 marks)
 - 5.2. What autopsy findings may indicate that the body was surreptitiously disposed off in a lake ? (20 marks)
 - 5.3. Discuss how you would establish that the death occurred in water including the possible causes and mechanisms of death. (60 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
MAY, 2006

Date :- 16th May, 2006

Time : 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Discuss the medico-legal significance of a chronic subdural haemorrhage causing death of a person.
2. Discuss the differential diagnosis of acute alcoholic intoxication in a clinical medico-legal practice.
3. Describe the circumstances, clinical features and differential diagnosis in a case of strychnine poisoning.
4. Briefly discuss the use and value of entomology in a forensic practice.
5. Write a short note on "Testamentary capacity".
6. Enumerate the steps (techniques) in the dissection of the head and neck in a case of suspected manual strangulation.
7. Describe how you would diagnose "brain death" in a person on a ventilator.
8. State how the devices/modifications available in modern cars prevent or minimize injuries to their occupants.
9. Discuss the medico-legal issues that may arise in the interpretation of corrosive

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER, 2006
(Old syllabus)

Date : 2nd October 2006

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. A young adult male was taken into police custody for theft. He is produced before you by prison authorities on a court order 05 days later.
He alleges assault by several police officers.
 - 1.1. Discuss how you would carry out a detailed medico-legal examination to detect evidence of torture. (70 marks)
 - 1.2. Briefly discuss the contents of your report to court. (30 marks)
2. Discuss the application of forensic odontology in identification .(100 marks)
3.
 - 3.1. Describe the observations of medico legal importance you would make on a dead body where there was eye-witness evidence of multiple stab injuries. (60 marks)
 - 3.2. Based on the above observations, discuss how you would arrive at opinions regarding the features of the weapon/s. (40 marks)
4. Critically evaluate the roles played by the Inquirer into sudden death / Magistrate, Judicial Medical officer, Forensic Scientist and Police Officers at a scene of death in Sri Lanka. (100 marks)
5. A 25 year old male person admitted to an accident ward with compound fractures of the femur and tibia of the left side, subsequently dies.
 - 5.1. Outline the possible sequelae of the fractures that could have resulted in the death. (30 marks)
 - 5.2. Describe the autopsy findings of any three of the above sequelae. (70 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER, 2006
(Old syllabus)

Date : 3rd October 2006

Time : 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Discuss how you would establish 'live birth' at autopsy.
2. Describe briefly how you would estimate the range of fire in shotgun injuries.
3. A ten year old girl has been subjected to repeated digital penetration of her vagina by her uncle over a period of 3 months.
Describe briefly the procedure you would adopt in the clinical examination and discuss the interpretation of possible clinical findings.
4. Discuss the methods of causation and interpretation of bony injuries that would be seen in a case of physical child abuse.
5. Discuss the possible defences available to a medical officer in a case of medical negligence.
6. Discuss the value of the examination of the eyes in the estimation of time since death.
7. Discuss the medico legal interpretation of a 'mobile tooth' in a victim of an alleged assault.
8. Discuss the circumstances and autopsy features in a death following 'Postural Asphyxia'.
9. Describe briefly the autopsy features that can be observed in a person who dies 5 days after ingestion of paraquat.
10. Discuss the medico-legal significance of brain stem haemorrhages detected at autopsy.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION (NEW SYLLABUS)

OCTOBER, 2006

(New Syllabus)

Date : 2nd October 2006

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

Part A and Part B to be answered in separate books.

PART A

1. A young adult male was taken into police custody for theft. He is produced \ before you by prison authorities on a court order 05 days later. He alleges assault by several police officers.
 - 1.1. Discuss how you would carry out a detailed medico-legal examination to detect evidence of torture. (70 marks)
 - 1.2. Briefly discuss the contents of your report to court. (30 marks)

2. Discuss the application of forensic odontology in identification. (100 marks)

3.
 - 3.1. Describe the observations of medico legal importance you would make on a dead body where there was eye-witness evidence of multiple stab injuries. (60 marks)
 - 3.2. Based on the above observations, discuss how you would arrive at opinions regarding the features of the weapon/s. (40 marks)

4. Critically evaluate the roles played by the Inquirer into sudden death/Magistrate, Judicial Medical officer, Forensic Scientist and Police Officers at a scene of death in Sri Lanka. (100 marks)

PART B

- 5.
- 5.1. Describe the abnormalities that you would expect to find in the following sites, at the post-mortem examination in a patient who died of **Essential Hypertension**.
- (a) Heart and Aorta (35 marks)
- (b) Central nervous system (35 marks)
- 5.2. Briefly describe the microscopic changes in kidneys in such a patient. (30 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER, 2006
(New Syllabus)

Date : 3rd October 2006

Time : 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

Part A and Part B to be answered in separate books.

PART A

1. Discuss how you would establish 'live birth' at autopsy.
2. Describe briefly how you would estimate the range of fire in shotgun injuries.
3. A ten year old girl has been subjected to repeated digital penetration of her vagina by her uncle over a period of 3 months.
Describe briefly the procedure you would adopt in the clinical examination and discuss the interpretation of possible clinical findings.
4. Discuss the methods of causation and interpretation of bony injuries that would be seen in a case of physical child abuse.
5. Discuss the possible defences available to a medical officer in a case of medical negligence.
6. Discuss the value of the examination of the eyes in the estimation of time since death.
7. Discuss the medico legal interpretation of a 'mobile tooth' in a victim of an alleged assault.
8. Discuss the circumstances and autopsy features in a death following 'Postural Asphyxia'.

PART B

9. Write notes on
- 9.1. Macroscopic and microscopic features of the liver in alcoholic liver disease. (50 marks)
 - 9.2. Macroscopic and microscopic features of the lung in adult respiratory distress syndrome (ARDS). (50 marks)
- 10.
- 10.1. Define the term thrombosis. (10 marks)
 - 10.2. Discuss the pathogenesis of thrombosis. (60 marks)
 - 10.3. How do you distinguish a thrombus from a post mortem clot. (30 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
MAY, 2007

Date : 14th May 2007

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

Part A and Part B to be answered in separate books.

PART A

1. Describe the changes after death that could effect the interpretation of injuries at post mortem examination and discuss how you would differentiate between these artifacts and injuries. (100 marks)
2. Both occupants of a motor car involved in a road traffic accident were thrown out and found dead on the road. Discuss the medico legal issues that may arise in the investigation of this case. (100 marks)
3. A young woman was found dead on the floor of her bed room. She had a bleeding injury on her head. A revolver was found close to the body. Discuss the role and the value of a forensic scientist visiting this scene. (100 marks)
4. A driver of a vehicle is produced before you by the police for alleged drunken driving. Discuss the difficulties you may encounter in examining and reporting the findings to police and courts. (100 marks)

PART B

5.
 - 5.1. Define the term "infarction". (10 marks)
 - 5.2. Comment on the causative factors which could lead to an infarction. (30 marks)
 - 5.3. Describe the pathological changes that you may see in a week old infarction of
 - (a) brain (30 marks)
 - (b) heart (30 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION

MAY 2007

Date : 15th May 2007

Time: 1.00 p.m. - 400 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

Part A and Part B to be answered in separate books.

PART A

1. Discuss the pathogenesis and the significance of petechial haemorrhages in a body found hanging. (100 marks)
2. Discuss the difficulties you may encounter in the interpretation of clinical findings in a case of induced abortion by instrumentation. (100 marks)
3. Outline the value of radiology in a medico-legal autopsy. (100 marks)
4. Discuss the difficulties encountered in obtaining consent for clinical examination of sexually abused minors. (100 marks)
5. Describe briefly the importance of the examination of clothing in a medico-legal autopsy. (100 marks)
6. Describe the mechanisms of causation of basal subarachnoid haemorrhages. (100 marks)
7. Discuss the role of a medical expert witness when giving evidence in a case of death due to a single stab injury. (100 marks)
8. Describe the external appearances that may be seen in deaths due to electrocution. (100 marks)

PART B

9. Describe the pathological processes which occur following a superficial cut injury. (100 marks)
10. Write notes on
 - 10.1. pathological changes in the lung following paraquat poisoning. (50 marks)
 - 10.2. liver necrosis. (50 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION

OCTOBER, 2007

(Old syllabus)

Date : 1st October, 2007

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

Part A

1. Discuss the difficulties faced by the Judicial Medical Officer in the medico-legal investigations and in expressing opinions in a case of child sexual abuse.
(100 marks)

2.
 - 2.1 Critically analyse the methods available to estimate the time since death.
(60 marks)

 - 2.2 Discuss the difficulties faced by the Judicial Medical Officer in estimation of time since death in Sri Lanka
(30 marks)

 - 2.3 Outline the suggestions to rectify the problems identified in 2.2.
(10 marks)

3.
 - 3.1 Define "maternal death" (10 marks)

 - 3.2 List the causes of maternal deaths (40 marks)

 - 3.4 Describe the special autopsy techniques and investigations that would help you to establish the causes of death listed above.
(50 marks)

4. During an arrest the police alleged that the suspect swallowed "something". He was found dead on arrival at the police station.
 - 4.1 Discuss the possible causes of death. (70 marks)
 - 4.2 Describe how would you investigate to arrive at the cause of death. (30 marks)

5. The burnt body of a young adult male is recovered from a burnt house.
 - 5.1 Outline the medico-legal issues in this case. (20 marks)
 - 5.2 Discuss how you would arrive at the cause and manner of death (80 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER, 2007
(Old syllabus)

Date : 2nd October 2007

Time: 1.00 p.m. - 400 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Discuss the ethical issues involved with HIV infection. (100 marks)
2. Briefly discuss different opinions you would be able to provide to the police after examining bodies recovered from the site of an explosion. (100 marks)
3. Describe the typical scene and appearance of the body in an autoerotic death. (100 marks)
4. Describe the pathophysiology and the macroscopic appearances of raised intracranial pressure. (100 marks)
5. Discuss the medico-legal importance of patterned abrasions. (100 marks)
6. Discuss the importance of examination of the lips and oral cavity in medico-legal work. (100 marks)
7. Discuss how you would establish recent delivery of a baby in a woman. (100 marks)
8. Discuss automatism as a defence in a criminal trial. (100 marks)
9. Discuss the role of the doctor in the witness box. (100 marks)
10. Discuss the autopsy features of paraquat poisoning. (100 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION

OCTOBER, 2007

(New syllabus)

Date : 1st October 2007

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

Part A and Part B to be answered in separate books.

Part A

1. Discuss the difficulties faced by the Judicial Medical Officer in the medico-legal investigations and in expressing opinions in a case of child sexual abuse. (100 marks)

2.
 - 2.1 Critically analyse the methods available to estimate the time since death. (60 marks)

 - 2.2 Discuss the difficulties faced by the Judicial Medical Officer in estimation of time since death in Sri Lanka (30 marks)

 - 2.3 Outline the suggestions to rectify the problems identified in 2.2. (10 marks)

3.
 - 3.1 Define "maternal death" (10 marks)

 - 3.2 List the causes of maternal deaths (40 marks)

 - 3.3 Describe the special autopsy techniques and investigations that would help you to establish the causes of death listed above. (50 marks)

4. During an arrest the police alleged that the suspect swallowed "something". He was found dead on arrival at the police station.
- 4.1 Discuss the possible causes of death. (70 marks)
- 4.2 Describe how would you investigate to arrive at the cause of death. (30 marks)

PART B

5. Describe how you would diagnose the following conditions by macroscopic and microscopic pathological features.
- 5.1 Fat embolism (25 marks)
- 5.2 ARDS (Acute Respiratory Distress Syndrome) (25 marks)
- 5.3 Tuberculous Meningitis (25 marks)
- 5.4 HOCM (Hypertrophic Obstructive Cardio Myopathy) (25 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION

OCTOBER, 2007

(New syllabus)

Date : 2nd October 2007

Time: 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

Questions 9 and 10 to be answered in a separate book.

01. Discuss the ethical issues involved with HIV infection. (100 marks)
02. Briefly discuss different opinions you would be able to provide to the police after examining bodies recovered from the site of an explosion. (100 marks)
03. Describe the typical scene and appearance of the body in an autoerotic death. (100 marks)
04. Describe the pathophysiology and the macroscopic appearances of raised intracranial pressure. (100 marks)
05. Discuss the medico-legal importance of patterned abrasions. (100 marks)
06. Discuss the importance of examination of the lips and oral cavity in medico-legal work. (100 marks)
07. Discuss how you would establish recent delivery of a baby in a woman. (100 marks)
08. Discuss automatism as a defence in a criminal trial. (100 marks)
09. Describe the pathological changes seen in a haematoma following a blunt injury to mid-arm, indicating its relevance to forensic practice. (100 marks) .
10. Write notes on :
 - 10.1 Inflammatory Mediators (30 marks)
 - 10.2 Haemorrhagic pancreatitis (30 marks)
 - 10.3 Fatal liver disease in pregnancy (40 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION

MAY 2008
(Old syllabus)

Date : 12th May 2008

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. Discuss the steps that should be taken to improve the current system of investigation, registration and disposal of deaths in Sri Lanka. (100 marks)
2. Discuss how you would interpret injury patterns in different types of falls. (100 marks)
3. Discuss the difficulties faced by a Judicial Medical Officer in arriving at the cause and manner (circumstances) of death in fatal pressure on the neck at autopsy. (100 marks)
4. An unmarried woman, allegedly after a criminal abortion, was admitted to the ward by police for medico-legal examination.
 - 4.1. Describe the law of abortion in Sri Lanka. (10 marks)
 - 4.2. Describe how you would conduct the medico-legal investigation. (70 marks)
 - 4.3. List the complications this woman may develop. (20 marks)
5. The fresh body of a man was found by the road side with several circular perforated wounds.
 - 5.1. List the possible weapons that could have caused these injuries. (10 marks)
 - 5.2. Describe the features that will enable you to conclude that these are firearm injuries. (70 marks)
 - 5.3. Outline how the ballistic expert would assist in this investigation. (20 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION

MAY 2008
(Old syllabus)

Date : 13th May 2008

Time :- 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Discuss how you would determine the category of hurt in flame burns. (100 marks)
2.
 - 2.1. List five plants bearing poisonous fruits in Sri Lanka. (20 marks)
 - 2.2. Name the toxins in each fruit. (20 marks)
 - 2.3. Briefly describe the modes of action of the above toxins. (60 marks)
3.
 - 3.1. List the types of skull fractures. (20 marks)
 - 3.2. Explain the mechanism of causation of each fracture. (80 marks)
4. Briefly discuss consent and confidentiality in relation to medico-legal practice in Sri Lanka. (100 marks)
5. Four occupants of a motor car died after a frontal collision. Discuss how the injury pattern of each will enable you to identify their seating positions. (100 marks)
6. Discuss the medico-legal opinions you would express, based on the appearances of the genitalia in a 25-year-old female who alleges rape. (100 marks)
7. Describe the occupational hazards in a mortuary and state briefly the proposed preventive measures. (100 marks)
8. Discuss how a forensic pathologist comes to the conclusion that the manner of death is suicide in deaths due to sharp weapon trauma. (100 marks)
9. Describe how the mandible assists in human identification. (100 marks)
10. Discuss the situations where external examination of the body plays a major role in determining the cause of death at autopsy. (100 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
MAY 2008
(New syllabus)

Date : 12th May 2008

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. Discuss the steps that should be taken to improve the current system of investigation, registration and disposal of deaths in Sri Lanka. (100 marks)
2. Discuss how you would interpret injury patterns in different types of falls. (100 marks)
3. Discuss the difficulties faced by a Judicial Medical Officer in arriving at the cause and manner (circumstances) of death in fatal pressure on the neck at autopsy. (100 marks)
4. An unmarried woman, allegedly after a criminal abortion, was admitted to the ward by police [or medico-legal examination].
 - 4.1. Describe the law of abortion in Sri Lanka. (10 marks)
 - 4.2. Describe how you would conduct the medico-legal investigation. (70 marks)
 - 4.3. List the complications this woman may develop. (20 marks)
5. Describe the pathological changes (macroscopy only) you would see in a 50-year-old male who died of "infective endocarditis". (100 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION

MAY 2008

(New syllabus)

Date : 13th May 2008.

Time : 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

Questions 9 and 10 to be answered in a separate book.

1. Discuss how you would determine the category of hurt in flame burns. (100 marks)

2.
 - 2.1. List five plants bearing poisonous fruits in Sri Lanka. (20 marks)
 - 2.2. Name the toxins in each fruit. (20 marks)
 - 2.3. Briefly describe the modes of action of the above toxins. (60 marks)

3.
 - 3.1. List the types of skull fractures. (20 marks)
 - 3.2. Explain the mechanism of causation of each fracture. (80 marks)

4. Briefly discuss consent and confidentiality in relation to medico-legal practice in Sri Lanka. (100 marks)

5. Four occupants of a motor car died after a frontal collision. Discuss how the injury pattern of each will enable you to identify their seating positions. (100 marks)

6. Discuss the medico-legal opinions you would express, based on the appearances of the genitalia in a 25-year-old female who alleges rape. (100 marks)

7. Discuss how a forensic pathologist comes to the conclusion that the manner of death is suicide in deaths due to sharp weapon trauma. (100 marks)

8. Discuss the situations where external examination of the body plays a major role in determining the cause of death at autopsy. (100 marks)

9. Give an account on spontaneous (non traumatic) subarachnoid haemorrhage (SAH). (100 marks)
10. Write notes on
- 10.1. Fatty change of the liver. (30 marks)
- 10.2. Pathological aspects of atherosclerosis. (35 marks)
- 10.3. Pathological changes (macroscopic and microscopic) of viral pneumonia in the lung. (35 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN LEGAL MEDICINE EXAMINATION

MAY 2009

Date : 11th May 2009

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. Discuss ethical issues involved in Forensic Pathology. (100 marks)

2. A pavilion of a stadium collapsed during an International Cricket Match which was attended by thousands of fans from many countries. Hundreds of dead Bodies were found in the scene.

You have been selected as a member of the investigating team into deaths.

2.1. List the medico-legal issues that may arise in investigation. (20 marks)

2.2. Outline the possible causes of death. (20 marks)

2.3. How would you perform investigations to identify the dead ? (60 marks)

3. Discuss the role of JMO in Sri Lanka in the management of an alleged case of Child sexual abuse. (100 marks)

4. A 10 year old girl collapsed immediately after receiving rubella vaccine. She was ventilated but died after 24 hours.

You have been appointed as the head of the team investigating into this incident.

4.1. List the other members you would include into the investigating team. (20 marks)

4.2. Discuss the medico-legal issues that may arise. (50 marks)

4.3. Outline the samples you would take for further investigations giving reasons. (30 marks)

5.

5.1. Last **four (04)** different localized pathological conditions that give rise to raised intra cranial pressure. (20 marks)

5.2. Describe the post mortem changes (macroscopic) that may be observed in the brain in a deceased died of raised intracranial pressure. (80 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN LEGAL MEDICINE EXAMINATION

MAY 2009

Date : 12th May 2009

Time : 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate book.

1. Write short notes on -
 - 1.1. Automatism (40 marks)
 - 1.2. Diminished Responsibility (30 marks)
 - 1.3. Testamentary Capacity (30 marks)
2. Critic the value of diatom test in modern forensic pathological practice. (100 marks)
3. Discuss the clinical diagnosis of concussion and its medico legal significance. (100 marks)
4. Write short notes on –
 - 4.1. CT scan in forensic practice (50 marks)
 - 4.2. Virtual autopsy (50 marks)
5. Discuss the clinical features and autopsy findings of “Gloriosa Superba” (Niyagala) poisoning. (100 marks)
6. Discuss resuscitation artifacts. (100 marks)
7. Outline the injury patterns commonly seen in victims of torture. (100 marks)
8. Discuss the role of forensic pathologist in a scene where a body was found Hanging. (100 marks)
9. Describe the pathological changes (macroscopic and microscopic) seen in the Kidneys in a long term uncontrolled diabetic mellitus. (100 marks)
10. Write notes on -
 - 10.1. Effects of coronary atherosclerosis. (40 marks)
 - 10.2. Amniotic fluid embolism. (30 marks)
 - 10.3. Atypical pneumonia. (30 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER 2009

Date : 5th October 2009

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.

Commence each answer on a separate page.

1. An obese female aged 25 years died 2 days after gastric bypass surgery without regaining consciousness.
 - 1.1. List possible causes of death. (20 marks)
 - 1.2. Discuss how you would medico legally investigate this death to establish the correct cause of death. (80 marks)

2.
 - 2.1. List major components of the Medico Legal Report in relation to facts and opinions. (10 marks)
 - 2.2. Discuss the importance of factual components of the Medico Legal Report. (40 marks)
 - 2.3. Discuss how you would use facts in your report to express opinions. (50 marks)

3. You are the JMO who was summoned to investigate a death in Police custody. Police alleged that the deceased was shot dead by the police when he threw a grenade at them while recovering hidden weapons. Discuss the Medico Legal issues that you have to address. (100 marks)

4. Discuss the effects, complications and causes of death in non penetrating trauma to the chest. (100 marks)

5.
 - 5.1. Define Myocardial Infarction. (10 marks)
 - 5.2. Describe the macroscopic and microscopic changes in the heart in myocardial infarction. (60 marks)
 - 5.3. Write notes on sequelae of myocardial infarction. (30 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER 2009

Date : 6th October 2009

Time : 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each answer on a separate page.

1. Discuss the circumstances, toxic substance, clinical features and post mortem diagnosis of “Aththana” (Datura) poisoning. (100 marks)
2. Discuss the post mortem diagnosis of death due to electrocution. (100 marks)
3. Discuss the radiological findings of physical child abuse. (100 marks)
4. Discuss the following in relation to death due to starvation
 - 4.1. medico legal issues (70 marks)
 - 4.2. autopsy findings (30 marks)
5. Discuss “informed consent” and its use in relation to medico legal practice. (100 marks)
6. Describe clinical **hymenal** findings in different types of sexual assault with vaginal penetration. (100 marks)
7.
 - 7.1. What is “chain of custody” ? (20 marks)
 - 7.2. Discuss how it is maintained in medico legal practice. (50 marks)
 - 7.3. Discuss its significance in a court trial. (30 marks)
8. Write short notes on
 - 8.1. excited delirium (40 marks)
 - 8.2. “*res ipsa loquitur*” (30 marks)
 - 8.3. spontaneous human combustion (30 marks)
9. Give an account on
 - 9.1. Granulomatous inflammations of lung (50 marks)
 - 9.2. Cirrhosis of the liver (50 marks)
10. Write notes on
 - 10.1. Fracture healing (75 marks)
 - 10.2. Viral Encephalitis (25 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER 2010

Date : 18th October 2010

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.

Write each part on a separate book.

Commence each answer on a separate page.

PART A

1. A 21 year old un-married female was admitted to a hospital with a history of criminal abortion. Ultra Sound scan of abdomen revealed an enlarged uterus with retained products of conception. She died before surgical intervention.
 - 1.1. List the medico-legal issues. (20 marks)
 - 1.2. List the methods used to perform criminal abortion in Sri Lanka. (20 marks)
 - 1.3. Discuss how you would investigate this case to deal with the medico-legal issues mentioned in 1.1. (60 marks)

2. A 14 year old domestic servant was found hanging inside her bed room. Investigating police officers suspect foul play in this case.
 - 2.1 List the medico-legal issues. (20 marks)
 - 2.2. Discuss how you would perform the scene visit. (30 marks)
 - 2.3. Discuss the possible autopsy findings you would expect to see in the body. (50 marks)

3.
 - 3.1. List the instances where children are produced to the Judicial Medical Officer for medico-legal examinations. (30 marks)
 - 3.2. Discuss how you would perform the medico-legal investigation in a case of alleged child abuse. (70 marks)

4.
 - 4.1. List **five** plant poisons and their toxic substance/s. (10 marks)
 - 4.2. Describe: the clinical features and autopsy findings on **three** of the suspected poisonings you have mentioned above. (60 marks)
 - 4.3. Describe the collection, storage and dispatch of the samples for toxicological analysis of the above **three** autopsies. (30 marks)

PART B

5.
 - 5.1. Define the term bronchiectasis. (10 marks)
 - 5.2. Discuss the pathogenesis of bronchiectasis. (20 marks)
 - 5.3 Describe the post mortem appearances (macroscopy only) in a body of person died of bronchiectasis. (70 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER 2010

Date : 19th October 2010

Time : 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each part on a separate book.

Commence each answer on a separate page.

PART A

1. Discuss the variations of entrance wounds from a discharge of a rifled firearm. (100 marks)
2. A person who was unconscious following blunt trauma to the head died after four days. Describe the macroscopical features you would see in the head at autopsy. (100 marks)
3. Describe the difficulties encountered by the Judicial Medical Officer in the examination of victims of torture. (100 marks)
4. An unconscious pedestrian was admitted to the hospital with injuries following a road traffic accident. Describe how you would help the authorities to reconstruct the incident. (100 marks)
5. Describe the values of entomology in Forensic Pathology. (100 marks)
6. Discuss the criteria that has to be fulfilled before obtaining an organ for transplantation. (100 marks)
7. Write short notes on
 - 7.1 Bolam test. (30 marks)
 - 7.2 Shaken Impact Syndrome. (40 marks)
 - 7.3 Barotrauma. (30 marks)
8. Blood stain patterns were observed in a scene of crime where a person had died of cut injuries to the body. Describe the different patterns observed with their interpretation. (100 marks)

PART B

9. At an autopsy examination a solitary nodule was found in the liver.
- 9.1 Describe how you would sample the above lesion for histopathological examination. (25 marks)
 - 9.2 What measures would you take in transporting the above specimen to the laboratory. (25 marks)
 - 9.3 Briefly describe the steps involved in processing the above sample for histopathological examination. (50 marks)
10. Write notes on
- 10.1 Chronic granulomatous inflammation. (30 marks)
 - 10.2 Brain abscess. (30 marks)
 - 10.3 Liver necrosis. (40 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER 2011

Date : 17th October 2011

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.
Write each part on a separate book.
Commence each answer on a separate page.

PART A

1. A dead body of a newborn infant was found in a garbage dump.
 - 1.1. List 06 important medico-legal issues. (10 marks)
 - 1.2. Describe the medico-legal investigation in order to solve the issues mentioned above. (90 marks)

2. Describe indications for radiology in medico-legal practice. (100 marks)

3.
 - 3.1. List the effects of alcohol on driving a motor vehicle. (15 marks)
 - 3.2. List five other causes for impairment of driving. (05 marks)
 - 3.3. Discuss the shortcomings in the existing medico-legal system to assess the impairment of driving. (60 marks)
 - 3.4. Outline your suggestions to improve the present system. (20 marks)

4. A 25 year old male who was in police custody died 30 minutes after admission to a district hospital. The body was sent to the nearest specialized medico-legal unit for post-mortem examination.
 - 4.1. List 6 important medico-legal issues. (10 marks)
 - 4.2. Describe the information that should be collected prior to autopsy. (20 marks)
 - 4.3. Discuss the autopsy findings and their interpretation with reference to the issues mentioned above. (70 marks)

PART B

5. Describe the post mortem findings (macroscopy only) in a patient who died due to alcoholic cirrhosis of the liver explaining the pathophysiology of the features you mention.

(100 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER 2011

Date : 18th October 2011

Time : 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each part on a separate book.

Commence each answer on a separate page.

PART A

1. Outline the medico-legal issues in a terminally ill patient. (100 marks)
2.
 - 2.1 List the circumstances of death in positional asphyxia, giving examples. (20 marks)
 - 2.2 Describe how you would arrive at a diagnosis of positional asphyxia in a medico-legal investigation. (80 marks)
3. Describe the problems encountered and their significance, when investigating a 5 year old girl who was subjected to chronic sexual abuse. (100 marks)
4. Describe the factors that would modify the appearance of firearm entry wounds. (100 marks)
5. Discuss the different reasons for expressing erroneous professional opinions in medico-legal practice. (100 marks)
6. Describe the clinical features in a person with chronic intravenous cocaine abuse. (100 marks)
7. Describe the principles that should be followed by a forensic pathologist when investigating a scene of crime. (100 marks)

8. Write notes on,
- 8.1. Domestic Violence Act of Sri Lanka. (40 marks)
 - 8.2. Recent changes in notification of teenage pregnancies. (30 marks)
 - 8.3. Law of Hurt. (30 marks)

PART B

- 9.
- 9.1 Briefly describe the pathological features (macroscopy and microscopy) of different stages of lobar pneumonia. (80 marks)
 - 9.2. Briefly describe the complications. (20 marks)
10. Write notes on the following.
- 10.1. Deep vein thrombosis. (30 marks)
 - 10.2. Fracture healing including the complications. (30 marks)
 - 10.3. Adult (Acute) Respiratory Distress Syndrome (ARDS). (40 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER 2012

Date : 8th October 2012

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.
Write each part on a separate book.
Commence each answer on a separate page.

PART A

1.
 - 1.1. List ten (10) methods that are used to estimate the time since death. (20 marks)
 - 1.2. Discuss the factors that may influence the estimation of time since death in a fresh body. (80 marks)

2. A 17 year old girl had been sexually assaulted in her bed room two hours before.
 - 2.1. Describe Locard's principle in relation to this incident. (20 marks)
 - 2.2. Describe the possible injuries you would expect to find in this case. (60 marks)
 - 2.3. Outline the emergency medical and psychological management of this victim. (20 marks)

3. Describe and interpret different types of information that can be gathered by examination of blood and blood stains at a scene of crime. (100 marks)

4.
 - 4.1. Describe the criteria that should be fulfilled for informed consent to be valid. (20 marks)
 - 4.2. Discuss the legal consequences of not obtaining valid consent in medical and medico-legal practice. (20 marks)
 - 4.3. Outline the circumstances where informed consent is not required in medical and medico-legal practice. (20 marks)
 - 4.4.. Briefly discuss the issues of consent in minors in relation to medical and medico-legal management. (40 marks)

PART B

5.
 - 5.1. Describe the possible autopsy findings (macroscopy only) in a patient who died of disseminated tuberculosis. (50 marks)
 - 5.2. Describe the pathogenesis and pathological features (macroscopy and microscopy) of the kidney in acute tubular necrosis. (50 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER 2012

Date : 9th October 2012

Time : 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each part in a separate book.

Commence each answer on a separate page.

PART A

1. Describe how you would advise the house officer in a casualty ward regarding the proper medico-legal management of firearm injuries which would facilitate subsequent medico-legal and forensic science investigations. (100 marks)
2. Discuss the interpretation of different findings in incised stab injuries with a view to forming conclusions on
 - 2.1. identification of the weapon. (60 marks)
 - 2.2. degree of force used. (20 marks)
 - 2.3. intention of the assailant. (20 marks)
3. Write notes on McNaghten's rules. (100 marks)
4. Discuss primary impact injuries and their interpretation in road traffic accidents. (100 marks)
5. Describe possible postmortem findings in cases of homicidal drowning. (100 marks)
6. Discuss the identification of artefacts due to post-mortem burns. (100 marks)
7. Discuss the application of forensic odontology in clinical forensic medicine. (100 marks)
8. Discuss the relevance, reliability and interpretation of urine alcohol level as an indicator of blood alcohol level. (100 marks)

PART B

9. Describe the possible pathological features (macroscopy and microscopy) of the given organ in the following conditions.
- 9.1. Brain in a patient who had died of a left cerebral infraction. (40 marks)
 - 9.2. Pancreas in a patient who had died of acute pancreatitis. (30 marks)
 - 9.3. Uterus in a patient who had died of post partum haemorrhage. (30 marks)
- 10.
- 10.1.
 - 10.1.1. Discuss the pathogenesis of emphysema. (20 marks)
 - 10.1.2. List the possible autopsy findings (macroscopy only) in a patient who died of emphysema. (30 marks)
 - 10.1.3. Describe the pathological features (macroscopy and microscopy) of different type of cardiomyopathy. (50 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER 2013

Date : 21st October 2013

Time : 1.00 p.m. - 4.00 p.m.

PAPER I

Answer all questions.

Write each part on a separate book.

Commence each answer on a separate page.

PART A

1. A 2 year old child was admitted to the ward following an alleged fall three days ago. There was a swelling of the right forearm with limitation of movement. The mother had not taken the child for medical treatment for the past two days. X-ray of the right forearm revealed a recent fracture.
 - 1.1. Write the differential diagnosis in this case. (15 marks)
 - 1.2. Describe how you would ascertain the cause for the fracture.(40 marks)
 - 1.3. Discuss the difficulties you would face in investigating/managing this case. (45 marks)

2. The body of an old man with cut injuries to the neck was found in a deep pond about 10 meters away from his boarding room on an early morning. He was sharing the room with two other men. Blood stains were present on the pillow and head end of his bed. Fellow roommates stated that they had locked the room before going to bed but the door was found open when they woke up in the morning.
 - 2.1. List five (05) important data you would gather during history taking in this case. (10 marks)
 - 2.2. Outline Observations that you would make during the scene visit that would help to ascertain the manner of death and discuss their significance. (40 marks)
 - 2.3. Discuss how you would exclude or confirm drowning as the cause of death in this case. (50 marks)

3.
 - 3.1. Describe the medico-legal management of an alleged drunken driver produced by the police one hour after a fatal road traffic accident. (60 marks)
 - 3.2. List the important steps of "blood for alcohol" and "urine for alcohol" investigations until samples are received at the toxicological laboratory. (10 marks)
 - 3.3. Discuss briefly the possible opinions you would express according to the different results of above two investigations. (30 marks)

4.
 - 4.1. Write notes on Bolam test. (30 marks)
 - 4.2. Describe the clinical ethics related to patients with HIV infection. (40 marks)
 - 4.3. A 55 year old female with traumatic intra cerebral haemorrhage who was on artificial ventilation in a tertiary care hospital was confirmed brain dead.
Describe the procedure that should be followed if the liver is to be retrieved for transplantation purposes after the confirmation of brain death. (30 marks)

PART B

5.
 - 5.1. Describe the possible causes of death related to established alcoholic cirrhosis. (40 marks)
 - 5.2. Describe the possible autopsy findings (macroscopy only)'in a patient who died of alcoholic cirrhosis as an underlying cause. (60 marks)

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN LEGAL MEDICINE EXAMINATION
OCTOBER 2013

Date : 22nd October 2013

Time : 1.00 p.m. - 4.00 p.m.

PAPER II

Answer all questions.

Commence each part in a separate book.

Commence each answer on a separate page.

PART A

1. Describe the different mechanisms of death due to blunt weapon trauma to the chest. (100 marks)

2. Discuss the different mechanisms of death due to restrain while in custody. (100 marks)

3. Outline the causes and mechanisms of direct maternal deaths that occur after 28 weeks of gestation. (100 marks)

4.
 - 4.1. Describe the postmortem changes that can be seen in a surreptitiously disposed body recovered more than one month after death. (45 marks)

 - 4.2. Outline the medico-legal significance of the postmortem changes described above. (55 marks)

5. Write notes on :
 - 5.1. Designer drugs of abuse. (40 marks)

 - 5.2. Autopsy findings of death due to starvation. (30 marks)

 - 5.3. Radiant heat burns. (30 marks)

6. Describe the different mechanisms of causation of an acute subdural haemorrhage. (100 marks)
7. A person dies within :in hour following a "karate blow" to the neck. Describe the possible neck injuries and mechanisms of death. (100 marks)
8.
 - 8.1. Enumerate ten (10) medico-legally significant ages according to Sri Lankan law. (20 marks)
 - 8.2. Describe the parameters of assessing the age of a child. (80 marks)

PART B

9. A 70 year old male with a past history of myocardial infarction eight years ago, presents with sudden onset acute abdominal pain. He is diagnosed with a bowel infarction.
 - 9.1. Describe the possible post mortem findings (macroscopy only) in the heart, lungs and bowel. (60 marks)
 - 9.2. Describe the light microscopic features in the heart, lungs and bowel. (40 marks)
10. Write short notes on **four (04)** of the following : (25 marks each)
 - 10.1. Fat embolism
 - 10.2. Lung changes in lobar pneumonia
 - 10.3. Acute respiratory distress syndrome
 - 10.4. Granulomatous inflammation
 - 10.5. Chronic pyelonephritis