

Write short Notes on:

1. Discuss in detail the techniques of postmortem pulmonary angiography and bronchography and its application in Forensic pathology.
2. Discuss various methods of demonstrating esophageal varices at the time of post mortem.
3. Write a short note on biochemical changes in aqueous humour and its relevance.
4. Discuss mixed agglutination technique in detail and its application in forensic practice.
5. Write a short note on fixation of tissues for light microscopy and color preservation of tissues.
6. How would you conduct an autopsy on a radioactive body?
7. Discuss the histopathology of lungs and other internal organs in a case of death due to ante mortem burns.
8. How would you proceed to investigate a case of death, where the allegation is that the victim was killed with homicidal intent by some unknown poison?
9. Describe the pathological changes in a case of myocardial infarction occurred two days back.
10. Discuss the pathology of sudden death.

Write short Notes on:

1. What is the procedure of admission and discharge of a mentally ill patient from a psychiatric hospital?
2. Write how you will proceed to establish age of a young boy claiming to be 14 years?
3. What is dactylography? Enumerate types of finger prints? Discuss relevance of dactylography in the identification of an individual?
4. What is psychological autopsy and how it is useful in solving crimes.
5. What is virtual autopsy? Describe its procedure and importance.
6. How is pedophilia defined in DSM-IV-TR? How would you proceed to examine the victim and the accused in a case of pedophilia?
7. What is date rape? Discuss its medico legal importance in Indian set up?
8. How many different types of medical certificate are issued by the doctor? What are the various precautions that should be taken by a doctor before issuing such a certificate?
9. Discuss the various provisions of the PNDT Act.
10. Discuss McNaughtens rule in relation to criminal responsibility of the mentally ill. How was Durham's rule an improvement over this? Compare and contrast these two rules with Curren's rule, ALI test and other recent tests for fixing criminal responsibility.

Write short Notes on:

1. How would you investigate a case of hooch tragedy?
2. What are the various drugs of abuse? How would you investigate a case of death due to drug abuse?
3. Write a short note on doctor and media.
4. What are the chelating agents? Enumerate various chelating agents? Describe use of dimercaprol in treatment of heavy metal toxicity.
5. What are the qualities of an ideal war gas? What is the effect of mustard gas on body? Write autopsy findings in a case of death due to war gases?
6. What is "Truth Serum"? Why would the person speak truth under its influence? Discuss the legal admissibility of evidence given under the influence of truth serum.
7. What is the concept of vicarious liability, res ipsa loquitur and res judicata. Give 3 examples of each.
8. What is the concept of "borrowed servant doctrine" Illustrate with some examples.
9. How would you proceed to conduct an autopsy in a case of custodial death?
10. Describe in detail signs, symptoms and management of acute cyanide poisoning?

Write short Notes on:

1. What is Rape Trauma Syndrome? Why is its proper appreciation important for a forensic physician?
2. Define infanticide. What are the acts of omission or deliberate neglect?
3. Discuss the principles of Neutron Activation analysis and its role in Forensic Medicine.
4. What are coup and contre-coup injuries? Describe the mechanism of sustaining them.
5. Describe Gordon's classification of death. What are other classifications you know of and which is the most useful and why?
6. Discuss the physiology of superfoetation and superfoecundation. How are twins different from these?
7. Discuss the pathophysiology of starvation.
8. Discuss the physiopathology involved in diatom testing?
9. What is sexual asphyxia? How you will investigate such death.
10. What are battered baby syndrome and shaken baby syndrome. Compare and contrast the two.

Write short notes on:

1. Dissection and fixation techniques of tracheobronchial tree and lung. What are the advantages of wet and gaseous fixation methods.
2. Various methods of examination of the intestinal tract at the time of post mortem.
3. Chromosome study of autopsy tissues.
4. Post mortem biochemistry of vitreous humor and its applications in the practice of Forensic Medicine.
5. Absorption elution technique in detail and its applications in forensic practice.
6. Various precautions you would undertake if you were asked to perform an autopsy on a victim who died of AIDS.
7. Histopathology of lungs and other internal organs in a case of death due to antemortem drowning.
8. Various special methods of post mortem examination in a case of newborn.
9. The pathophysiology of cyanide poisoning. How does methylene blue help in such cases.
10. Pathophysiology of starvation deaths.

Write short notes on:

1. Injuries sufficient to cause death in the ordinary course of nature.
2. Signs of defloration.
3. Confirmatory signs of pregnancy.
4. Medico-legal aspects of assisted reproduction.
5. Rights of a mentally ill patient.
6. Criminal responsibility for offence committed under intoxication.
7. Delusional disorders.
8. Specimen selection, collection and preservation of samples for DNA profiling.
9. Age changes in Symphysis Pubis.
10. Medico-legal importance of hair.

Write short notes on:

1. Drunkenness
2. Professional Secrecy
3. Human Experimentation.
4. Chronic Lead Poisoning.
5. Therapeutic Misadventure
6. Preconception and Pre-Natal Diagnostic Techniques Act.
7. Ethical issues in eye banking.
8. Vitriolage
9. Vehicular Exhaust Gas Toxicity
10. Antidote in Poisoning Cases.

Write short notes on:

1. Causes of sudden natural death in infants.
2. Functions of State Medical Council and describe the judicial procedure to be followed before taking action against a doctor.
3. Role of a doctor in investigating a scene of death.
4. Conduct and duties of a Doctor in a witness box.
5. Causes of sterility in a female.
6. Causes of anaphylactic deaths.
7. Sub arachnoid haemorrhage and its medico legal significance.
8. Causes of anesthetic deaths.
9. Herbicide poisoning.
10. Metal Fume Fever.

Write short notes on:

1. Histopathological findings in electrocution deaths.
2. Absorption elution test.
3. Post mortem electrolyte changes in vitreous.
4. Histopathological dating of pulmonary emboli and deep vein thrombi.
5. Subendocardial haemorrhages.
6. Autopsy procedure and findings in death due to criminal abortion.
7. Fallacies of hydrostatic test.
8. Pathology of cerebral ischemia.
9. DNA fingerprinting
10. Post mortem artifacts in forensic pathology.

Write short notes on:

1. Examination of Seminal Stains.
2. Brain fingerprinting.
3. Moment of Death.
4. Criminal responsibilities of an insane person.
5. Exhumation of mass grave.
6. Juvenile delinquency.
7. Homicide under hypnotic trance.
8. Sexual Perversions.
9. Medical Termination of pregnancy.
10. Lucid interval.

Write short notes on:

1. Duties of a doctor in a suspected case of poisoning.
2. Measures and methodology used for elimination of absorbed poisons.
3. Sec 53 Cr.P.C. and the medical practitioner.
4. Aluminium phosphide poisoning and problems encountered in its detection in a dead body.
5. Forensic anthropometry with special reference to genocide in multiracial society.
6. Narcointerrogation and its admissibility in the court of law in India.
7. Drug facilitated sexual abuse and its medicolegal implications.
8. Detection and documentation of physical torture in detention.
9. Management of victims of war gases in chemical warfare.
10. Modern analytical techniques used in detection of poisons.

Write short notes on:

1. Adult respiratory distress syndrome and mention its causes.
2. Classify aneurysms and outline the medico-legal importance of berry aneurysm.
3. Foetal circulation and the changes occurring after birth.
4. Role of a medico-legal investigator at the crime scene.
5. Common errors in post mortem examination and reporting.
6. Defences available to a doctor in medical negligence cases.
7. Physiology of shock.
8. What are the various rights of a patient?
9. Signs and symptoms of dhatura poisoning.
10. Signs and symptoms of chronic lead poisoning.