

SYNOPSIS OF FORENSIC MEDICINE EXAMINATION

1. Introduction to Forensic Medicine- Definition, Investigation of Forensic Pathology, The role of forensic pathologist.
2. The main steps of the forensic autopsy- Components of forensic autopsy. Categorization of the main objectives of a forensic autopsy. Cause of death. Mechanism of death. Manner of death.
3. Asphyxia. Definition of terms. Categorising asphyxial deaths. Types of mechanical asphyxia. Classic signs of asphyxia. Categories of strangulation.
4. Hanging. Definition. Types of hanging. Sexual asphyxia. Features of sexual asphyxia.
5. Manual strangulation and ligature strangulation. Definition. Features.
6. Traumatic asphyxiation. Obstruction of the airway. Suffocation. Positional asphyxia. Definition of terms. Features & signs.
7. Trauma. Terms. Types of trauma. Blunt force trauma. **Bruises**. Mechanism of production. Features & signs. Forensic importance.
8. **Abrasion**. Mechanism of production. Features & signs. Forensic importance.
9. **Lacerated wound**. Mechanism of production. Features & signs. Forensic importance.
10. Sharp force trauma. **Incised wound & chop wound**. Characters of the wounds. Forensic importance. Features & signs.
11. Sharp force trauma. **Stab wound & puncture wound**. Characters of the wounds. Forensic importance. Features & signs.
12. Firearm injury. Definition. Mechanism of injury. Anatomy of the gun & cartridge. Wound ballistics.
13. Skin surface characteristics of bullet entrance wound- Skin defect, Abraded margin, Micro-tears, Grey ring, Smudging, Tattooing, Singeing & Muzzle impression. Definitions & Causes.
14. Range of fire of bullet wounds. Entry wound characteristics & Muzzle-target distance.
15. Differences between Entry and Exit firearm wounds.
16. Shotgun wounds. Range of fire of pellet wounds. Entry wound characteristics & Muzzle-target distance.
17. Medicolegal aspects of firearm injuries. Differences between accidental, suicidal and homicidal wounds.
18. Changes after death. Early post-mortem changes – **body cooling**. Forensic importance. Features & signs.
19. Early post-mortem changes – **rigor mortis**. Forensic importance. Features & signs.
20. Early post-mortem changes – **livor mortis**. Forensic importance. Features & signs.
21. Late post-mortem changes – **putrefaction, mummification, adipocere**. Forensic importance. Features & signs.
22. Time since death. Definition & Estimation.
23. Car accidents.

Accepted by Department council