

## **Exam Topics in Forensic Medicine for the Dentistry program**

1. Subject of Forensic Medicine. Forensic Pathology. Subject of Toxicology.
2. Legal systems. Differences of Legal Systems.
3. The doctor in court. The behavior of a doctor in court.
4. Medical reports and statements. Forensic Documentation.
5. Medical Aspects of Death. The nature and definition of death.
6. Criteria for diagnosing brain-stem death. Tissue and organ transplantation.
7. Death certification.
8. Medico-legal investigation of death. The autopsy. Exhumation.
9. Changes after death. The early and later changes after death.
10. Rigor mortis.
11. Post-mortem hypostasis.
12. Cooling of the body after death.
13. The estimation of the time of death.
14. Post-mortem decomposition. Putrefaction.
15. Mummification. Adipocere.
16. Post-mortem changes in bodies immersed in water or buried.
17. Skeletalisation. Post-mortem injuries.
18. The Wounds. Wounding, injury and trauma. Duty of the doctor in wounding cases.
19. The examination of wounds. Medical reports on wounding. The law and wounding.
20. Classification of wounds. Blunt and sharp injuries.
21. Abrasions. Bruises. Lacerations.
22. Incised wounds: slashed and stab wounds.
23. Stab wounds. The force required to cause a stab wound.
24. Punching. Bite marks. Kicking.
25. Defence injuries. Survival and activity after wounding.
26. Regional injuries. Head injuries. Scalp injuries.
27. Skull fractures. Intracranial hemorrhages.
28. Brain damage. Spinal injuries.
29. Chest injuries. Abdominal injuries.

30. Neck injuries.
31. Firearm and Explosive Injuries.
32. Types of firearms. Firearm ammunition. Shot-guns. Rifled weapons.
33. Wound from smooth-bore guns and rifled weapons. Gun-shots.
34. Entrance wounds. Exit wounds. Canal of the wound.
35. Distance of shooting. The additional factors of shooting.
36. Accident, suicide and murder. The doctor's duty in firearm injuries and death.
37. Transportation Injuries.
38. Road traffic injuries.
39. Pedestrians. Car occupants. The function of seat-belts.
40. Motor cycle and cycle injuries.
41. The medical examination of road traffic accidents.
42. Railway injuries.
43. Aircraft fatalities. Water transportation injuries.
44. Mass disasters and the doctor.
45. Effects of injury.
46. Physical abuse of human rights. Torture. Features of physical abuse.
47. Identification of the Living and Dead. Methods for Identification.
48. Fingerprints.
49. Identity from teeth. Tattoos.
50. Identity of decomposed or skeletalised remains. Facial reconstruction from skulls.
51. Blood stains. Tests for blood. Species specificity.
52. The individuality of blood. The inheritance of blood groups.
53. Identification from hairs, bone, teeth and other human remnants.
54. Identification by DNA profiling.