

## **General part**

1. Early post-mortem changes
2. Late post-mortem changes
3. Determining time of death
4. Vital reactions
5. Examination of dead bodies at the place of discovery
6. Examination of crime scene in cases of murder and suicide
7. Self-harm
8. Exhumation
9. Identification of a dead body of unknown identity
10. Determination of age, sex and height from skeletal remains
11. Rape, sexual abuse, sexual coercion
12. Concept of medico-legal forensic services
13. Types of autopsies (Act No. 372/2011 Coll.)
14. Basic legal regulations
15. Physicians as a witness and expert witness
16. Medical confidentiality
17. Medical liability (negligence)
18. Failure to provide first aid
19. Bodily harm
20. Grievous bodily harm
21. Evaluation of injury severity

## **Special part and toxicology**

1. Sudden death
2. Sudden death in pregnancy, during labour, after birth
3. Sudden death in children and infants
4. Asphyxiation in general
5. Strangulation (hanging x ligature strangulation x throttling)
6. Airway obstruction due to smothering, overlaying (= infant)/compression
7. Traumatic asphyxiation
8. Choking
9. Drowning
10. Engulfment
11. Sharp object injury
12. Blunt force trauma
13. Bite wounds
14. Ballistic trauma
15. Head injuries (mechanism of injury, scalp injuries, cranial vault and skull base fractures), blunt force trauma to the head
16. Traumatic intracranial haemorrhage
17. Brain injuries (concussion, contusion, mechanism of injury, morphology of diffuse axonal injury)
18. Facial injuries (mechanism of injury, fractures of facial bones)
19. Thoracic and neck injuries
20. Abdominal injuries
21. Spinal fractures
22. Fall from height
23. Injuries due to railway accidents
24. Explosion injuries
25. Electric current (technical electricity, lightning)
26. Heat related injuries (burns, scalding, hyperthermia)
27. Cold related injuries
28. Natural death (SIDS) and unnatural deaths (Shaken baby syndrome) in infancy, maternal infanticide
29. Paraphilic sexual gratification
30. Definition of poison and its effects
31. Post-mortem findings in poisoning cases
32. Acid and alkali poisonings (symptoms, autopsy findings and evidence)
33. Carbon monoxide poisoning (symptoms depending on blood concentration, detection in blood)
34. Cyanides
35. Nitrites
36. Organic solvents intoxication (acetone, toluene, halogenated hydrocarbons)
37. Ethanol (methods of detection, effects depending on blood concentration)
38. Blood alcohol testing
39. Alcohol intoxication, evidence, levels of intoxication
40. Methanol
41. Cannabinoids and hallucinogenic substances
42. Opium, composition and derivatives, symptoms, intoxication
43. Benzodiazepines
44. Psychiatric drugs
45. Stimulant intoxication (amphetamine and its derivatives, cocaine)
46. Mushroom poisoning