I.

1. History of anaesthesiology and intensive care medicine.
6. Basic inevitable resuscitation of breathing. Basic inevitable resuscitation of blood circulation. Basic cardiopulmonary resuscitation performed by one rescuer and basic cardiopulmonary resuscitation performed by two rescuers.
7. Extended inevitable resuscitation of breathing. Extended inevitable resuscitation of blood circulation. Drugs used in cardiopulmonary resuscitation and ways of administration.
8. Aids used in cardiopulmonary resuscitation (simple aids for breathing and defibrillation). Defibrillation and cardioversion.

II.

15. Basic pre-operational examination before anaesthesia administration – casa history and clinical examination. Basic pre-operational examination before anaesthesia administration – laboratory tests.
17. Pre-operational preparation in patient with lung disease. Pre-operational preparation in patient with heart disease (a non-cardiac surgery).
22. Laboratory monitoring on ICU.
23. Definition and division of general anaesthesia.
25. Intravenous anaesthesia.
27. Anaesthesia in neurosurgery.
30. Anaesthesia in elderly patients.
31. Anaesthesia in gynaecology and obstetric.
32. Anaesthesia in traumatology and orthopaedics.
33. Anaesthesia in eye, nose, throat and dental surgeries.
34. Anaesthesia in laparoscopic surgery. Anaesthesia in out-patient department operations.
35. Anaesthesia in thoracosurgery.
36. Wake up after general anaesthesia and monitoring patient. Standard monitoring during anaesthesia – prevention of complications
III.

38. Colloids and crystalloids.
42. Management of patient with intensive bleeding and haemorrhagic shock.
43. Management of patient with polytrauma.
44. Mass accident – organizational and medical management. First aid and burns management.
45. Acute respiratory failure (traumatic and non-traumatic causes).
46. Problems of nosocomial bronchopneumonias.
49. Shock – definition, causes, pathophysiology and treatment.
50. System inflammation response syndrome (SIRS).
52. Multiorganic failure – causes and consequences.
55. Procedure in blood components (preparations) administration and transfusional reaction. Blood preparations and their usage in anaesthesiology and intensive care medicine.
56. Indications for hospitalization in Clinic and Department of anaesthesia and intensive care medicine.

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