Program questions on General Surgery for the Faculty of General Medicine.

3. Achievements of modern surgery.
4. N.I. Pirogov, his role in the development of anesthesiology.
5. N.I. Pirogov, his role in the development of surgery and medical education.
6. Deontology. Interrelation of the doctor with the patient and his relatives, with colleagues and medical staff.
8. Mechanical and physical antiseptics.
9. Chemical antiseptics. The substances used for chemical antiseptics.
11. The complications due to antibiotics and their prophylaxis.
12. Asepsis. Sources and ways of distribution of infection in the organism.
13. Surgical hospital. The operational block and its routine work.
15. Prophylaxis of exogenous and endogenous contamination.
16. Modern ways and methods of sterilization of dressing materials and operational linen.
17. Types of surgical instruments. Ways of sterilization of instruments depending on their type.
22. Modern ways of sterilization of instruments with optical system.
23. Problem of hospital infection in surgery, characteristic features and ways of contamination.
27. Preparation for operation on gastrointestinal tract. Types of enemas, techniques of the performance.
28. Preoperative period. Basic goals and principles of preliminary and immediate preparation for operation.
30. Surgical operation. Indications for operation. Types of operative interventions.
31. Modern principles of preoperative preparation of patients before urgent and elective operative interventions.
32. Desmurgy. Kinds and types of bandages.
34. Inhalation narcosis. Narcotic substances, the equipment used during inhalation narcosis.
35. Early and late symptoms of narcotic substances overdose.
37. Narcosis with hypothermia and hypotonia.
38. Endotracheal and endobronchial narcosis and ALV.
40. Monitoring during anaesthesia.
42. Neuroleptanalgesia (NLA).
44. Complications of narcosis in postoperative period, possible causes of asphyxia.
46. Local anesthesia during operations. Substances used for anesthesia. Novocaine blocks.
48. Types of regional anesthesia.
50. Spinal anesthesia. Possible complications.
52. Measuring blood loss, principles of compensation.
54. Methods of temporary hemostasis.
57. Indications and technique of tourniquet application.
58. History of blood transfusion and the organization of blood transfusion service.
59. Blood groups by AB0 systems and "rhesus factor".
60. Indications and contraindications for transfusion of blood components. Mechanism of action of transfused blood components.
63. Blood grouping using standard serums and colyclones.
64. Mistakes during blood grouping.
65. Actions before transfusion of blood components.
66. Antigenic system "rhesus factor". Determination of rhesus-attribute of blood. Test on rhesus factor compatibility.
69. Clinical features and treatment of posttransfusion shock.
70. Syndrome of massive hemotransfusions.
71. Components and preparations of blood.
73. Hemodynamic and disintoxicative blood substitutes.
74. Preparations for parenteral nutrition.
77. Collapse, the causes. Treatment of hypovolemic and normovolemic collapse.
80. Treatment of traumatic shock.
81. Prophylaxis of shock during the medical care provision to the wounded patients.
82. Terminal conditions, sequence of medical assistance procedures.
86. Contusion of joint, hemarthrosis. Sprains, ruptures of ligaments, muscles. Treatment.
88. Closed injuries of abdominal cavity organs: parenchymatous, hollow.
89. Wounds, their classification. Symptoms of wounds.
90. Course of pathological processes and pathoanatomical changes in wound healing. Wound process. Stages of healing process.
92. Wound healing by secondary intention. Factors causing wound healing by secondary intention.
93. Healing wounds of muscles, sinews, bones, cartilages, parenchymatous organs.
94. Healing wounds of brain, peripheral nerves, blood vessels.
96. Surgical treatment of wounds.
98. Initial surgical debridement. Indications. Terms and principles of its fulfilment.
102. Treatment of purulent wounds in different phases of wound process course. Modern principles of treatment.
104. Treatment of fractures. Three components of treatment system.
105. Medical care in bone fractures: a) in the place of accident; b) in surgical department.
106. Techniques of closed reduction of fragments in fractures.
108. Surgical treatment of fractures.
111. Pseudoarthrosis. Causes. Treatment.
117. Factors determining degree of severity of patient’s condition in crush syndrome of soft tissues.
119. Modern treatment of patients in crush syndrome of soft tissues depending on degree of severity of the condition.
120. Concrete actions in the provision of medical care to victims with crush syndrome at the site of incident and during transportation to medical establishments.
121. Principles of pyogenic infection prophylaxis at operative interventions and the system of treatment.
122. Surgical infection. Factors determining the development and course of surgical infection.
123. The description, etiology and pathogenesis of surgical infection.
124. The description of common phenomena in surgical infection.
125. Objectives of local treatment of surgical infection.
126. Principles of operative intervention in surgical infection.
127. Objectives of general treatment in surgical infection.
129. Principles of abscess and phlegmon drainage.
131. Purulent diseases of hand.
133. Tendinous panaritium. Features of course on different fingers. Y-shaped phlegmon.
134. Bony and articular panaritium.
147. System of complex therapy of sepsis (local, general treatment).
148. Methods of organism detoxication in generalized purulent infection.
150. Specific and nonspecific prophylaxis of tetanus.
152. Causes of lethal outcomes in tetanus. Ways of lethality decreasing.
158. Surgical methods of treatment of bones and joints tuberculosis.
162. Surgical treatment of anthrax.
163. Diphtheria of wounds.
164. Surgical parasitic diseases (echinococciosis, ascariasis, opisthorchiosis, amebiasis).
166. Acute disorder of arterial blood circulation.
168. Thromboembolic complications. Prophylaxis and main principles of treatment of thromboses and embolisms.
170. Local and general effects in burns. Death causes in early and late stages.
171. Burn shock. Treatment.
173. Local treatment of burns (open and closed method).
174. Methods of operative interventions used in treatment of thermal burn.
177. Frostbites. Diagnosis and treatment.
180. Physical and chemical carcinogenic factors.
181. Biological carcinogenic factors.
183. Clinical groups of oncological patients.
185. International classification (terminology) of malignant growth stages.
186. Treatment methods of patients with malignant neoplasms.
187. Surgical treatment of malignant growths, possible kinds of operations.
188. Ablastics and antiblastics.
189. Terminology in plastic surgery.
190. Skin plasty by free graft. Methods.
192. Plasty of vessels, bone tissue, nerves, tendons.
193. Transplantation of bone and muscular tissue. Transplantation of marrow.