# **Questions for State Rigorous Exam in Surgery 2022-2023**

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| 1. |  |
| a. | LOCAL ANAESTHESIA - Local Anesthesia Agents. |
|  b. | NODULAR THYROID DISEASE. Diagnosis, surgical therapy. |
|  c. | OBSTRUCTION OF THE SMALL INTESTINE, mechanical obstruction (simple obstruction, strangulation obstruction, intussusception, volvulus). |
|  d. | MAJOR TRAUMA (POLYTRAUMA), MULTIPLE TRAUMA - definition, primary survey management ABCDE. |
|  e. | TETRALOGY OF FALLOT. |
| 2.  |   |
| a. | INFECTIONS OF THE HAND AND FINGERS. |
|  b. | PLEURAL EMPYEMA – etiology, types, diagnosis, surgical therapy. |
|  c. | ACUTE ABDOMINAL PAIN. |
|  d. | FRACTURES AND THEIR CLASSIFICATION. |
|  e. | MYOCARDIAL PROTECTION (during open-heart surgery). |
| 3.  |   |
| a. | ASEPSIS, ANTISEPSIS, STERILISATION, DESINFECTION. |
|  b. | NEOPLASMS OF THE THYROID GLAND, THYROID LOBECTOMY, THYROIDECTOMY, indications, complications. |
|  c. | ACUTE PANCREATITIS. |
|  d. | SOFT TISSUE INJURIES, SURGICAL WOUND CLASSIFICATION, NECROTIZING FASCIITIS. |
|  e. | VENTRICULAR SEPTAL DEFECTS. |
| 4.  |   |
| a. | ANTIBIOTICS IN SURGERY. |
|  b. | SURGERY OF THE THYROID GLAND. |
|  c. | DIFFUSE PURULENT PERITONITIS– symptoms, investigation, therapy. |
|  d. | TRAUMA OF JOINTS. |
|  e. | EXTRACRANIAL CEREBROVASCULAR DISEASE. |
| 5.  |   |
| a. | ANAEROBIC INFECTIONS – diagnosis, treatment. |
|  b. | PARATHYROID GLANDS – disease, surgical therapy. |
|  c. | ILEUS – types, diagnosis, differential diagnosis. |
|  d. | DIAPHRAGM TRAUMA – signs, diagnosis, surgical therapy. |
|  e. | AORTIC VALVE SURGERY. |
| 6.  |   |
| a. | WOUND INFECTION – classification, prevention, therapy. |
|  b. | PANCREAS NEOPLASMS – symptoms, investigation, localization, therapy. |
|  c. | ACUTE APPENDICITIS. |
|  d. | DISLOCATION OF SHOULDER JOINT. |
|  e. | TRICUSPIDAL VALVE SURGERY. |
| 7.  |   |
| a. | FLUID AND ELECTROLYTE MANAGEMENT. |
|  b. | CARCINOID TUMORS. |
|  c. | COMPLICATIONS OF APPENDICITIS. |
|  d. | FRACTURES OF THE SCAPULA AND CLAVICLE. |
|  e. | VASCULAR INJURIES. |
| 8.  |   |
| a. | UNCONSCIOUSNESS – types, diagnosis, treatment. |
|  b. | MULTIPLE ENDOCRINE NEOPLASIA SYNDROMES. |
|  c. | CLASSIFICATION OF ACUTE ABDOMEN. |
|  d. | FRACTURES OF HUMERUS. |
|  e. | ATRIAL SEPTAL DEFECTS. |
| 9.  |   |
| a. | FIRST AID, STRUCTURE AND STEPS, RULES.  |
|  b. | MEDIASTINAL TUMORS. |
|  c. | TYPICAL AND ATYPICAL APPENDICAL POSITIONS. |
|  d. | TRAUMATIC PNEUMOTHORAX – first aid, diagnosis, treatment. |
|  e. | PULMONARY EMBOLISM. |
| 10.  |   |
| a. | BEDSORES. |
|  b. | BREST CANCER and CLINICAL BREST EXAMINATION. |
|  c. | ACUTE APPENDICITIS IN PREGNANCY AND IN CHILDHOOD. |
|  d. | FRACTURES OF THE DISTAL HUMERUS. |
|  e. | TRANSPOSITION OF THE GREAT ARTERIES. |
| 11.  |   |
| a. | TYPES OF WOUND, TREATMENT. |
|  b. | BREAST CANCER – MAMMOGRAPHY, ULTRASONOGRAPHY and MRI, SCREANING FOR BREAST CANCER – frequency of examination. |
|  c. | ACUTE ABDOMEN – objective symptoms. |
|  d. | FRACTURE OF THE OLECRANON. |
|  e. | THROMBEMBOLIC DISEASE. |
|  12. |   |
| a. | HEALING OF WOUNDS, timing and technical point of view. |
|  b. | HIATAL HERNIA, ACHALASIA, GASTROOESOPHAGEAL REFLUX – surgical treatment of gastrooesophageal reflux disease. |
|  c. | RUQ – right upper quadrant pain. |
|  d. | FOREARM FRACTURES – classification, treatment options, Monteggi fracture, Galeazii fracture. |
|  e. | MECHANICAL and BIOLOGICAL ARTIFICIAL VALVE PROSTHESES. |
| 13.  |   |
| a. | SURGICAL INFECTION – host defense barrier, resident microbial flora, exotoxins. |
|  b. | OESOPHAGEAL NEOPLASM – symptoms, diagnosis, surgical therapy. |
|  c. | SYNDROME OF THE EPIGASTRIUM. |
|  d. | DISTAL RADIUS FRACTURES – Colles fracture, Smith fracture, classification, treatment options, complications. |
|  e. | CONGENITAL MALFORMATION OF THE THORACIC AORTA. |
| 14.  |   |
| a. | SEPSIS – MOFS, SIRS. |
|  b. | NEOPLASMS OF THE LUNG – symptoms, preoperative evaluation of operative risk, therapy. |
|  c. | LEFT LOWER QUADRANT PAIN. |
|  d. | FRACTURES OF THE DISTAL ULNA – diagnosis, therapy. |
|  e. | MECHANICAL HEART SUPPORT. |
| 15.  |   |
| a. | TREATMENT OF SURGICAL INFLAMMATION. |
|  b. | INGUINAL HERNIA. |
|  c. | ACUTE GASTROINTESTINAL BLEEDING. |
|  d. | FRACTURES OF CARPUS. |
|  e. | PERICARDIAL DISEASE. |
| 16.  |   |
| a. | GENERAL RESPONSES TO INJURY AND ACUTE ILLNESS. |
|  b. | ACUTE PANCREATITIS – symptoms, diagnosis, intensive medical and surgical therapy. |
|  c. | BLUNT TRAUMA, HEMOPERITONEUM – diagnosis and therapy. |
|  d. | TRACHEAL and TRACHEOBRONCHIAL INJURIES – symptoms, diagnosis, surgical therapy. |
|  e. | SURGERY OF CEREBROVASCULAR INSUFFICIENCY; ASYMPTOMATIC STENOSIS OF THE CAROTID ARTERY. |
| 17.  |   |
| a. | NUTRICION IN SURGICAL PATIENTS. |
|  b. | CHRONIC PANCREATITIS – symptoms, diagnosis, surgical therapy. |
|  c. | STRANGULATED EXTERNAL HERNIAS. |
|  d. | ANKLE SPRAIN – anatomy of ankle, classification, diagnosis, treatment, complications. |
|  e. | SURGERY OF CARDIAC ARRHYTHMIAS. |
| 18.  |   |
| a. | a. INVESTIGATION IN SURGERY. |
|  b. | PANCREATIC NEOPLASMS – symptoms, diagnosis, surgical therapy. |
|  c. | VASCULAR ILEUS. |
|  d. | FRACTURES OF THE PELVIS. |
|  e. | ARTERIOVENOUS FISTULAS. |
| 19.  |   |
| a. | PREOPERATIVE CARE, RISK ASSESSMENT. |
|  b. | SPLEEN, INDICATIONS FOR SPLENECTOMY. |
|  c. | ACUTE INTESTINAL OBSTRUCTION. |
|  d. | FRACTURES OF THE PROXIMAL FEMUR. |
|  e. | ISCHEMIA OF VISCERAL ARTERIES – symptoms, diagnosis, therapy. |
|  20. |   |
| a. | GENERAL ANAESTHESIA. |
|  b. | LIVER CYSTS and ABSCESSES. |
|  c. | ACUTE ABDOMEN – subjective symptoms. |
|  d. | FRACTURES OF THE SHAFT OF THE FEMUR. |
|  e. | AORTOILIAC ATHEROSCLEROTIC OCCLUSIVE DISEASE. |
|  21. |   |
| a. | BASICS OF OPERATING TECHNIQUES – knots, sutures, abdominal and chest drain. |
|  b. | PORTAL HYPERTENSION – symptoms, diagnosis, surgical therapy. |
|  c. | DIFFUSE PURULENT PERITONITIS– symptoms, investigations, diagnosis, therapy. |
|  d. | INJURIES OF KNEE LIGAMENTS. |
|  e. | VASCULAR ACCESS FOR HEMODIALYSIS (arterial, a-v fistulas). |
| 22.  |   |
| a. | POSTOPERATIVE CARE. |
|  b. | CHOLELITHIASIS – symptoms, diagnosis, therapy. |
|  c. | MESENTERIC LYMPHADENITIS. |
|  d. | FRACTURES OF THE PROXIMAL TIBIA. |
|  e. | CARDIAC TAMPONADE. |
| 23.  |   |
| a. | TROMBEMBOLIC DISEASE. |
|  b. | OPERATION ON GALL-BLADDER and BILE DUCTS. |
|  c. | ACUTE ABDOMEN – differential diagnosis. |
|  d. | FRACTURES OF THE SHAFT OF TIBIA. |
|  e. | SURGERY OF ISCHEMIC HEART DISEASE. |
| 24.  |   |
| a. | RESPIRATORY COMPLICATION AFTER OPERATION. |
|  b. | GASTRIC PEPTIC ULCER – symptoms, diagnosis, surgical therapy. |
|  c. | ILEUS – classification. |
|  d. | ANKLE SPRAIN – anatomy of ankle, classification, diagnosis, treatment, complications. |
|  e. | HEART TUMORS. |
|  25. |   |
| a. | TRACHEOSTOMY – indication, complication. |
|  b. | GASTRIC NEOPLASMS. |
|  c. | ACUTE CHOLECYSTITIS, HYDROPS and EMPYEMA – symptoms, investigations, surgical strategy, indication for laparoscopy and laparotomy operation. |
|  d. | FRACTURES OF THE OS CALCIS. |
|  e. | VASCULAR COMPLICATIONS OF DIABETES MELITUS – surgical therapy. |
| 26.  |   |
| a. | PULMONARY EMBOLISM – symptoms, diagnosis, therapy, prevention. |
|  b. | STOMACH OPERATION (TYPE I, TYPE II). |
|  c. | HAEMATEMESIS, MELENA – definition, investigation, therapy. |
|  d. | ANKLE LIGAMENTS INJURY. |
|  e. | HEART TRANSPLANTATION. |
| 27.  |   |
| a. | POSTOPERATIVE LOCAL COMPLICATIONS. |
|  b. | DUODENAL DISEASE. |
|  c. | ACUTE APPENDICITIS. |
|  d. | FRACTURES OF METATARSALS. |
|  e. | ARTERIAL ANEURYSM – symptoms and treatment. |
| 28.  |   |
| a. | BLOOD TRANSFUSION, ABO antigens, Rh antigens, pre-transfusion testing, acute transfusion reactions, symptoms, treatment. |
|  b. | SMALL INTESTINE – inflammation, diseases, injuries. |
|  c. | VOLVULUS – definition, symptoms, diagnosis, treatment. |
|  d. | FRACTURE OF SPINE – first aid, classification, treatment. |
|  e. | DUCTUS ARTERIOSUS PATENT. |
|  29. |   |
| a. | SEPTIC SHOCK – definition, key points, intensive therapy. |
|  b. | BREAST CANCER – epidemiology, classification, screening. |
|  c. | ULCERATIVE COLITIS – symptoms, complications, urgent surgical therapy. |
|  d. | LUNG CONTUSION – pathophysiology, classification, diagnosis, therapy. |
|  e. | CHRONIC VENOUS INSUFFICIENCY – pathophysiology, symptoms, treatment. |
| 30.  |   |
| a. | SHOCK – definition, pathophysiology, types, intensive therapy. |
|  b. | COLORECTAL OPERATIONS – hemicolectomy, colectomy, proctocolectomy, abdominoperineal amputation, colostomy. |
|  c. | INVAGINATION. |
|  d. | POLYTRAUMA – definition, rules, strategy and intensive surgical therapy. |
|  e. | CLINICAL EXAMINATION OF VASCULAR SYSTEM. |
|  31. |   |
| a. | LEFT LOWER QUADRANT PAIN. |
|  b. | INFLAMMATORY BOWEL DISEASE. |
|  c. | FLUID, ELECTROLYTE and ACID-BASE BALANCE. |
|  d. | PNEUMOTHORAX – types, first aid, diagnosis, treatment. |
|  e. | ABDOMINAL AORTIC ANEURYSMS – symptoms, treatment. |
| 32.  |   |
| a. | WARFARE INJURIES. |
|  b. | COLORECTAL NEOPLASMS. |
|  c. | PREOPERATIVE CARE OF HIGH RISK PATIENTS. |
|  d. | HEMOTHORAX – definition, symptoms, diagnosis, therapy (drainage, thoracotomy, thoracoscopy). |
|  e. | THORACIC OUTLET SYNDROM. |
| 33.  |   |
| a. | BURNS – definition, 9 Wallace rule, complication (general and local). |
|  b. | HEMORRHOIDS – types, localization, surgical therapy. |
|  c. | PORTAL HYPERTENSION and VARICEAL BLLEDING – early evaluation and treatment. |
|  d. | FRACTURE OF THE RIBS, MULTIPLE FRACTURES, FLAIL CHEST –therapy. |
|  e. | EXTRACORPORAL CIRCULATION (heart and lung machine). |
| 34.  |   |
| a. | CRUSH SYNDROME – pathophysiology, investigation, intensive therapy. |
|  b. | HEMOPERITONEUM. |
|  c. | MEDIASTINAL TUMORS – anatomy of mediastinum, localization and types of tumors, diagnosis and surgical therapy. |
|  d. | CRANIOCEREBRAL TRAUMA. |
|  e. | ACUTE ARTERIAL OCCLUSIONS (embolism, thrombosis). |
| 35.  |   |
| a. | PRINCIPLES OF SURGICAL ONCOLOGY – contemporary imaging, serum biochemical markers, appropriate biopsy techniques, staging-TNM classification. |
|  b. | MALIGNANT PLEURAL EFFUSIONS – symptoms, diagnosis, surgical therapy. |
|  c. | ILEUS – symptoms, types, diagnosis, therapy. |
|  d. | COMPLICATION OF FRACTURE HEALING. |
|  e. | EXAMINATION OF PATIENTS WITH VASCULAR DISEASE. |
| 36.  |   |
| a. | ENTERORRHAGIA, MELENA – definition, investigation, initial therapy. |
|  b. | CHRONIC PANCREATITIS – etiology, symptoms, non-surgical and surgical therapy. |
|  c. | EMPHYSEMA BULLOSUM – etiology, types, complications and surgical therapy. |
|  d. | FLAIL CHEST – pathophysiology, surgical therapy (stabilization). |
|  e. | DISSECTION OF THE THORACIC AORTA. |
| 37.  |   |
| a. | NASOGASTRIC TUBE, GASTROSTOMY, JEJUNOSTOMY – definition and indications. |
|  b. | CHEST INJURIES – thoracic wall, lung, thoracotomy, thoracoscopy. |
|  c. | PNEUMOPERITONEUM – etiology, diagnosis, therapy. |
|  d. | INDICATION FOR SPLENECTOMY (traumatic and non-traumatic). |
|  e. | SURGERY OF THE MITRAL VALVE. |
| 38.  |   |
| a. | BACTEREMIA AND SEPTICEMIA – definition, microbial diagnosis of infection. |
|  b. | INGUINAL HERNIA – surgical anatomy, direct, indirect, complications, surgical therapy (classic, laparoscopic). |
|  c. | ULCERATIVE COLITIS, TOXIC MEGACOLON – surgical therapy. |
|  d. | MASSIVE HEMOTHORAX – definition, flail chest, diagnosis, treatment. |
|  e. | EXSUDATIVE PERICARDITIS – etiology, symptoms, investigation, therapy. |
| 39.  |   |
| a. | HEMOPTYSIS – definition, investigation, therapy. |
|  b. | VENTRAL ABDOMINAL HERNIAS. |
|  c. | ACUTE MEDIASTINITIS – etiology, diagnosis, surgical therapy. |
|  d. | GUNSHOT INJURIES – pathophysiology, surgical strategy. |
|  e. |  BASIC PRINCIPLES OF VASCULAR SURGERY, TYPES OF  PROSTHESES. |