The questions for the final examination in anatomy for students of medicine
Winter semester

Skeleton and its connections
Structure and types of bones, innervation and blood supply of bone
Osteogenesis, ossification, remodeling and growth of bone
Connection of bones, structures and types of joints
The osseous nasal cavity, relations to neighboring structures
Bony orbit - walls, relation to neighboring structures, passages
Skull, skull of neonate and its development
Vertebral column and its development, connections, curvatures and motility
Craniovertebral joint
Skeleton of thorax and its development, connections and motility of ribs
Temperomandibular joint - structure and motility
Development and growth of limb, molecular mechanisms, limb defects
Shoulder joint – structure and movements
Elbow joint – structure and movements
Bones and joints of hand including X-ray images
Bony pelvis as complex, connections, passages, diameters, planes, sexual differences
Hip joint - structure, movements, developmental dysplasia of hip
Knee joint - structure, biomechanics, movements
Talocrural and subtalar joints - structure, movements
Bones and joints of foot including X-ray images, plantar arches and their support

Muscles, fascias, osteofascial compartments
Origin and development of muscles, molecular mechanisms
General features of striated muscle, its auxiliary structures (motor end plate, motor unit,
  muscle spindle, Golgi tendon organ), motor and proprioceptive innervation
Muscles and fascias of the head
Muscles and fascias of the neck (draw transversal section of the neck)
Muscles and fascias of thorax, diaphragm – structure, passages, function, innervation
Muscles of abdominal wall, fascias, function
Inguinal canal (draw scheme), inguinal hemias
Pelvic floor muscles, perineal muscles, ischioanal fossa, pelvic fascias (draw frontal section
  of pelvis)
Muscles and fascias of back
Muscles of shoulder girdle, fascias, axillary fossa
Muscles and fascias of arm and forearm (draw transverse sections)
Muscles and fascias of hand (draw transverse section), tendon sheaths, carpal canal
Muscles and fascias of thigh, femoral triangle, popliteal fossa
Muscles, fascias and compartments of leg and foot (draw transverse sections)

Gastrointestinal tract
General anatomy (macro and micro) of intestinal tube.
Microscopic structure of the teeth and their development, gingivodental junction
Macroscopic structure of the teeth, fixation, innervation and vascular supply,
Primary and permanent dentition formula, eruption, types of occlusion
Tongue (structure-macro and micro), intra- and extraglosseal muscles, vascular supply,
innervation
Soft and hard palate, muscles of soft plate (draw scheme), isthmus of fauces
Palate development, cleft defects
Salivary glands (structure-macro and micro, syntopy, innervation
Pharynx – structure, syntopy, blood supply, innervation,
Nasal, palatine and lingual tonsils (structure-macro and micro) (Waldeyer circle)
Oesophagus – structure (macro and micro), syntopy
Stomach – shape, position, syntopy, projections
Stomach – structure of the wall, divisions, vascular supply, innervation, lymphatic drainage
Development of oesophagus, stomach and duodenum
Small intestine – structure (macro and micro), divisions, vascular supply, innervation, lymphatic drainage
Duodenum – divisions, positions, syntopy (draw scheme), blood supply
Large intestine, structure (macro and micro), divisions (draw scheme), syntopy, vascular supply, innervation, positions of vermiform appendix
Development of small and large intestine, intestinal rotation
Pancreas – structure (macro and micro), ß, Langerhans islets, syntopy,
Liver – segments, syntopy (draw scheme of visceral surface)
Liver – structure (macro and micro), nutritional and portal vascular bed, intrahepatic bile ducts
Gallbladder and extrahepatic bile ducts (draw scheme)
Development of pancreas and liver
Rectum and anal canal - structure (macro and micro), syntopy (draw frontal and sagittal sections), vascular supply, sphincters and their innervation
Peritoneum - parietal and visceral, greater and lesser omentum
Lesser sac (omental bursa), its recesses
Development of visceral situs and mesentery

Regional Anatomy
Infratemporal fossa and parapharyngeal space
External and internal cranial base - openings for vessels and nerves
Submandibular triangle, carotid triangle (draw scheme)
Lateral neck region, scalenic fissure
Axilla – boundaries, content
Anterior and posterior regions of arm (draw transverse section)
Cubital fossa, elbow joint
Topographic anatomy of the hand and fingers
Gluteal region, supra- and infrapiriform foramen
Anterior thigh region, vascular and muscular lacuna, iliopectineal fossa, femoral triangle (draw schema), femoral hernias
Popliteal fossa, adductor canal
Regions of lower leg (draw transverse section)
Retromalleolar regions
Topography of foot (draw transverse section)
Topography of chest wall, surface projections of heart, lungs and pleura
Topography of abdominal wall, blood supply, innervation and surface projections of abdominal organs
Inguinal region, inguinal canal, hernias (draw schema of inguinal canal)
Topography of supramesocolic part of peritoneal cavity (draw transverse section through lesser sac), inframesocolic part of peritoneal cavity
Topography of duodenum and pancreas (draw schema)