



THE MINISTRY OF EDUCATION AND SCIENCE OF  
KYRGYZ REPUBLIC  
OSH STATE UNIVERSITY  
INTERNATIONAL MEDICAL FACULTY  
Department of anatomy, histology and normal physiology

«Approved»   
at faculty meeting, protocol № \_\_\_\_\_  
from "28" 08 2019.  
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«Agreed»   
The chair of the UMC faculty  
Assoc. Sakibaev K. Sh.  
from "28" 08 2019.

**Option # 1**

**1. Specify the characteristic features of the structure of the wall of the ventricles of the heart:**

- 1) Flethy trabeculae,
- 2) Three-layer myocardium,
- 3) Papillary muscles,
- 4) Comb muscles.

When choosing a response, use the following code:

A - if true 1,2,3; B-1,3; C-2,4; D-4; E-everything is correct.

**2. Specify the listening point for the tricuspid valve:**

- 1) 5th intercostal space 1-1,5 cm medially from the left midclavicular line
- 2) On the right sternum at the level of 5th costal cartilage
- 3) In the 2nd intercostal the right edge of the sternum
- 4) In the 2nd intercostal of on the left edge of the sternum
- 5) 3 intercostal the right edge of the sternum

**3. Specify a point of listening to the double valve:**

- 1) 5th intercostal space 1-1,5 cm medially from the left midclavicular line
- 2) On the right sternum at the level of 5th costal cartilage
- 3) In the 2nd intercostal the right edge of the sternum
- 4) In the 2nd of intercostal on the left edge of the sternum
- 5) 3 intercostal the right edge of the sternum

**4. Specify what is attached to the abdominal part of the descending aorta:**

- 1) Inferior Vena cava,
- 2) The pancreas,
- 3) Duodenum,
- 4) The root of the mesentery of the small intestine.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**5. Specify the final branches of the external carotid artery:**

- 1) Lingual artery,
- 2) Maxillary artery,
- 3) Facial artery,
- 4) Superficial temporal artery.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**6. Specify the anterior branches of the external carotid artery:**

- 1) Lingual artery,
- 2) The upper thyroid artery,
- 3) The facial artery,
- 4) Superficial temporal artery.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**7. Specify the branches of the celiac trunk:**

- 1) Left gastric artery,
- 2) Splenic artery,
- 3) Common hepatic artery,
- 4) Right gastric artery.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**8. Specify the opening through which the upper gluteal artery exits the pelvic cavity:**

- 1) Suprapiriformis
- 2) Infrapiriformis
- 3) obdutorius canal
- 4) Vascular lacuna
- 5) Small sciatic foramen

**9. Specify the opening through which the lower gluteal artery exits the pelvic cavity:**

- 1) Suprapiriformis
- 2) Infrapiriformis
- 3) Obturator foramen
- 4) Vascular lacuna
- 5) Small sciatic foramen

**10. Specify the branches of the internal iliac artery to the hip joint:**

- 1) Lower gluteal artery,
- 2) The superior gluteal artery,
- 3) Lateral sacral artery,
- 4) Obturator artery.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**11. Indicate the organs from which the splenic vein collects blood:**

- 1) The stomach
- 2) The pancreas,
- 3) Spleen,
- 4) The esophagus.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - that's right.

**12. Indicate the inflows of the inferior mesenteric vein:**

- 1) Superior rectal vein,
- 2) Sigmoid veins,
- 3) Left colon vein,
- 4) Middle colon vein.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - that's right.

**13. Indicate the vein, which is a direct continuation of the popliteal vein:**

- 1) Anterior tibial vein
- 2) Posterior tibial vein
- 3) Femoral vein
- 4) Deep thigh vein
- 5) Large saphenous vein

**14. Indicate which veins form a cavacaval anastomosis on the anterior abdominal wall:**

- 1) Superior epigastric vein,
- 2) Thoraco-epigastric vein,
- 3) Inferior epigastric vein,
- 4) Superficial epigastric vein.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - that's right.

**15. Indicate which lymphatic collectors can flow into the right venous corner:**

- 1) The jugular trunk,
- 2) Subclavian trunk,
- 3) The right lymphatic duct,
- 4) The thoracic duct.

When choosing an answer, use the code:

A - true 1,2,3; B - 1,3; C - 2,4; D is 4; E - that's right.

**16. Indicate how many lymphatic collectors are secreted in the human body:**

- 1)2 , 2) 4, 3) 6, 4) 8 , 5)10

**17. Indicate where the medial superficial lymphatic vessels of the lower extremity flow into:**

- 1)Popliteal lymph nodes
- 2) Deep inguinal lymph nodes
- 3) Superficial inguinal lymph nodes
- 4) External iliac lymph nodes

**18. Indicate the formation of lateral superficial lymphatic vessels of the lower limb:**

- 1) Skin of IV-V fingers,
- 2) The lateral part of the dorsum of the foot,
- 3) The lateral surface of the lower leg,
- 4) The back surface of the medial edge of the foot.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - that's right.

**19. Indicate the formation of the posterior superficial lymphatic vessels of the lower limb:**

- 1) The plantar surface of the lateral edge of the foot,
- 2) The calcaneal region,
- 3) The plantar surface of the medial edge of the foot,
- 4) The back of the foot.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - that's right.

**20. Indicate the smooth muscle of the choroid:**

- 1) Upper oblique muscle
- 2) Muscle, narrowing the pupil
- 3) Lower oblique muscle
- 4) Lower rectus muscle

**21. Indicate which muscle belongs to the external muscles of the eyeball:**

- 1) Ciliary
- 2) Upper oblique
- 3) Pupil dilator
- 4) Sphincter of the pupil

**22. What is the formation of the olfactory nerves in the cranial cavity?**

- 1) Corpus callosum
- 2) Olfactory bulb
- 3) Pituitary gland
- 4) Epiphysis

**23. Indicate the nasal passage in which the olfactory region is located:**

- 1) General
- 2) Upper
- 3) Inferior
- 4) Medium

**24. Indicate what structure belongs to the vestibular organ:**

- 1) The external ear
- 2) Auditory tube
- 3) Semicircular canals
- 4) Snail

**25. Specify the structure of the autonomic nervous system:**

- 1) Focal localization of nuclei in the Central nervous system,
- 2) Clusters of effector neurocytes on the periphery in the form of nodes,
- 3) Trophic function,
- 4) Multi-neuronality of the efferent link of the reflex arc.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**26. Specify which formations belong to the Central Department of the autonomic nervous system:**

- 1) Parasympathetic nuclei III, VII, IX and X pairs of cranial nerves,
- 2) The sympathetic nucleus of the intermediate column of the spinal cord,
- 3) Parasympathetic nuclei of the sacral segments of the spinal cord,
- 4) The nucleus of the posterior column of the spinal cord.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**27. Specify the localization of insertion neurons of a simple vegetative reflex arc:**

- 1) Vegetative CNS nuclei
- 2) Nodes of the autonomic nervous system
- 3) Spinal nodes or sensitive nodes of cranial nerves
- 4) Nuclei of the anterior horns of the spinal cord
- 5) Nuclei of the posterior horns of the spinal cord

**28. Specify what belongs to the Central Department of the sympathetic part of the autonomic nervous system:**

- 1) Vegetative nuclei of III, VII, IX pairs of cranial nerves,
- 2) Vegetative nucleus of the vagus nerve,
- 3) Vegetative nuclei of the sacral segments of the spinal cord,
- 4) Vegetative nuclei in the lateral intermediate column VIII of the cervical, all thoracic and two upper lumbar segments of the spinal cord.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**29. Specify what belongs to the peripheral part of the sympathetic part of the autonomic nervous system:**

- 1) Parotid vegetative nodes,
- 2) Pre-vertebral vegetative nodes,
- 3) Circulatory and organ plexuses,
- 4) Sympathetic fibers that run as part of the somatic nerves.

When choosing a response, use the code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**30. Specify how many nodes the pelvic section of the sympathetic trunk contains:**

- 1) One sacral node
- 2) Two sacral nodes
- 3) Three sacral nodes
- 4) Four sacral nodes
- 5) Five sacral nodes

### **Option # 2**

**1. Specify the holes through which blood enters the right atrium cavity:**

- 1) The mouth of the hollow veins,
- 2) Right atrioventricular opening,
- 3) The mouth of the coronal sinus,
- 4) The mouth of the pulmonary veins.

When choosing a response, use the following code:

A - if true 1,2,3; B-1,3; C-2,4; D-4; E-everything is correct.

**2. Specify the hole through which blood flows out of the right atrium cavity:**

- 1) Mouth of the superior Vena cava
- 2) Mouth of the coronal sinus
- 3) Mouths of the smallest veins of the heart
- 4) Right atrioventricular opening
- 5) Mouth of the inferior Vena cava

**3. Specify the branches of the concave semicircle of the aortic arch:**

- 1) Brachiocephalic trunk,
- 2) Left common carotid artery,
- 3) Left subclavian artery,
- 4) Tracheobronchial arteries.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**4. Specify the location of the thoracic part of the descending aorta:**

- 1) Upper mediastinum
- 2) Anterior mediastinum
- 3) Middle mediastinum
- 4) Posterior mediastinum
- 5) Beyond the mediastinal boundaries

**5. Specify the level of aortic bifurcation:**

- 1) II lumbar vertebra
- 2) III-lumbar vertebra
- 3) IV lumbar vertebra
- 4) V-th lumbar vertebra
- 5) I-th sacral vertebra

**6. Indicate that the upper thyroid artery supplies blood:**

- 1) The thyroid gland,
- 2) Hyoid bone,
- 3) Larynx,
- 4) Sternoclavicular muscle.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**7. Specify the branches of the gastro-duodenal artery:**

- 1) The upper pancreatic-duodenal artery,
- 2) Right gastric artery,
- 3) Right gastro-omentum artery,
- 4) The vesicular artery.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**8. Specify the source of blood supply to the femoral head:**

- 1) Inferior gluteal artery
- 2) Superior gluteal artery
- 3) Lateral sacral artery
- 4) Obstructive artery
- 5) the Internal pudendal artery

**9. Specify the branches of the arched artery:**

- 1) The posterior finger arteries,
- 2) Plantar finger arteries,
- 3) The pre-tarsal arteries,
- 4) The posterior metatarsal arteries.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**10. Specify the arteries involved in the formation of the medial ankle network:**

- 1) Medial anterior ankle branch,
- 2) Posterior tibial artery,
- 3) Medial pre-tarsal arteries,
- 4) Arched artery.

When choosing a response, use the code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true. .

**11. Indicate where the superior ophthalmic vein flows into:**

- 1) Inferior ocular vein
- 2) Cavernous sinus
- 3) Great vein of the brain
- 4) Superior sagittal sinus
- 5) Inferior sagittal sinus

**12. Specify the sources of formation of the medial saphenous vein of the hand (main vein):**

- 1) The radial part of the dorsal venous network,
- 2) The ulnar part of the back venous network,
- 3) The first dorsal metacarpal vein,
- 4) The fourth dorsal metacarpal vein.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - all right

**13. Indicate the organs from which the inferior mesenteric vein collects blood:**

- 1) The rectum,
- 2) The sigmoid colon,
- 3) The descending colon
- 4) The transverse colon.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - that's right.

**14. Specify the sources of the popliteal vein formation:**

- 1) Anterior tibial veins,
- 2) Saphenous veins of the legs,
- 3) Posterior tibial veins,
- 4) Fibular veins.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - that's right.

**15. Indicate the place of formation of the medial superficial lymphatic vessels of the lower limb:**

- 1) skin of I, II, III fingers,
- 2) the back surface of the medial edge of the foot,
- 3) the medial and posteromedial surface of the lower leg,
- 4) the plantar surface of the foot.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - that's right.

**16. Indicate the parietal lymph nodes of the pelvis:**

- 1) Internal iliac nodes,
- 2) Gluteal nodes
- 3) Locking nodes
- 4) Sacral nodes.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - that's right.

**17. Indicate the lymph nodes into which lymph flows from the parietal lymph nodes of the pelvis:**

- 1) External iliac lymph nodes,
- 2) Common iliac lymph nodes,
- 3) Subaortic lymph nodes,
- 4) Lumbar lymph nodes.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - that's right.

**18. Indicate gastric lymph nodes:**

- 1) Left and right gastric lymph nodes,
- 2) Pyloric lymph nodes,
- 3) Left and right gastro-omental lymph nodes,
- 4) Cardiac lymph nodes.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - that's right.

**19. Indicate in which nodes lymph flows from the lungs:**

- 1) Upper tracheobronchial nodes,
- 2) Bronchopulmonary nodes,
- 3) Lower tracheobronchial nodes
- 4) Mediastinal nodes.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - that's right.

**20. What does the outer ear include?**

- 1) Tragus
- 2) Labyrinth
- 3) Stirrup
- 4) Oval window

**21. Zone of innervation of the posterior superior alveolar branches of the maxillary nerve:**

- 1) The skin and mucous membranes of the cheeks
- 2) Alveolar bone and molars of the lower jaw
- 3) Alveolar bone and molars of the upper jaw
- 4) The tubercle, alveolar bone and molars of the upper jaw

**22. Paresis of the facial nerve as a complication is possible during operations on the salivary gland:**

- 1) Submandibular
- 2) Parotid
- 3) Sublingual
- 4) The small mucous membrane of the cheek

**23. Indicate the muscles that the facial nerve innervates:**

- 1) Facial muscles
- 2) Chewing muscles
- 3) The muscles of the upper limb
- 4) The muscles of the chest

**24. The ulnar nerve innervates the skin:**

- 1) I finger brush
- 2) I, II fingers
- 3) II, III fingers
- 4) IV, V fingers

**25. Specify which part of the spinal nerve branches off the white connecting branch:**

- 1) Anterior root of the spinal nerve
- 2) Posterior root of the spinal nerve
- 3) Trunk of the spinal nerve in the area of the intervertebral foramen
- 4) The Trunk of the spinal nerve as it exits the intervertebral opening
- 5) Anterior branch of the spinal nerve

**26. Specify which vascular and organ vegetative plexuses originate from the lower submandibular plexus:**

- 1) Middle and lower rectal nerve plexuses,
- 2) The prostate nerve plexus,
- 3) Plexus of the VAS deferens (in men), utero-vaginal plexus (in women),
- 4) Testicular nerve plexus (in men), ovarian nerve plexus (in women).

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**27. Specify the objects of innervation of the sympathetic part of the autonomic nervous system:**

- 1) Uncirculated blood vessel musculature,
- 2) Striated musculature of internal organs,
- 3) Undefined musculature of the lymphatic vessels,
- 4) Undefined musculature of internal organs.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**28. Indicate in which divisions of the CNS are nuclei of the parasympathetic part of the autonomic nervous system:**

- 1) Big brain
- 2) The brain stem
- 3) Thoracolumbalis the spinal cord
- 4) The sacral region of the spinal cord.

When choosing a response, use the code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**29. Specify in which vegetative nodes the preganglionic parasympathetic fibers of the vagus nerve end:**

- 1) Nodes of the abdominal plexus,
- 2) Nodes of the parotid vegetative plexuses,
- 3) Cervical (stellate) node,
- 4) Nodes of intra-organ, intra-hepatic vegetative plexuses.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**30. Specify the objects of innervation of the parasympathetic part of the autonomic nervous system:**

- 1) Undefined musculature of blood and lymphatic vessels,
- 2) Undefined musculature of internal organs,
- 3) Striated musculature of internal organs,
- 4) Glands of internal organs.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**Option # 3**

**1. Specify what is attached to the aortic arch in front:**

- 1) Bifurcation of the pulmonary trunk
- 2) Right pulmonary artery
- 3) Tracheal Bifurcation
- 4) Left brachiocephalic vein
- 5) Esophagus

**2. Specify what is attached to the aortic arch from behind:**

- 1) Bifurcation of the pulmonary trunk
- 2) Right pulmonary artery
- 3) Tracheal Bifurcation
- 4) Left brachiocephalic vein
- E. Esophagus

**3. Specify what is attached to the aortic arch from below:**

- 1) Bifurcation of the pulmonary trunk
- 2) Right pulmonary artery
- 3) Tracheal Bifurcation
- 4) Left brachiocephalic vein
- 5) Esophagus

**4. Specify the middle branches of the external carotid artery:**

- 1) Superficial temporal artery,
- 2) Ascending pharyngeal artery,
- 3) Maxillary artery,
- 4) The facial artery.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**5. Specify the posterior branches of the external carotid artery:**

- 1) Occipital artery,
- 2) Sternoclavicular artery,
- 3) The posterior ear artery,
- 4) Ascending pharyngeal artery.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**6. Specify the branches of the second division of the subclavian artery:**

- 1) Vertebral artery,
- 2) Thyrocervical trunk,
- 3) Internal thoracic artery,
- 4) The costal-cervical trunk.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**7. Specify the source of blood supply to the gallbladder:**

- 1) Proper hepatic artery
- 2) Left lobular hepatic artery
- 3) Right lobular hepatic artery
- 4) Common hepatic artery
- 5) Right gastric artery

**8. Specify the arteries involved in the formation of the lateral ankle network:**

- 1) Lateral anterior ankle branch,
- 2) Pre-tarsal branches,
- 3) Perforating branch of the peroneal artery,
- 4) Arched artery.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**9. Specify the arteries involved in the formation of the plantar arch:**

- 1) Lateral plantar artery,
- 2) Perforating branches of the posterior finger arteries,
- 3) Medial plantar artery,
- 4) The posterior metatarsal arteries.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**10. Specify the arteries involved in the formation of the vertical plantar arch:**

- 1) Deep plantar branch of the back artery of the foot,
- 2) Deep branch of the medial plantar artery,
- 3) Plantar arch,
- 4) The superficial branch of the medial plantar artery.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**11. Indicate the vein from which the semi-unpaired vein is formed:**

- 1) Azygos vein
- 2) Left ascending lumbar vein
- 3) Accessory azygos vein
- 4) First posterior left intercostal vein
- 5) Right ascending lumbar vein

**12. Specify the veins flowing into the superior ophthalmic vein:**

- 1) The veins of the forehead and nose,
- 2) Veins of the lacrimal gland and muscles,
- 3) Veins of the membranes of the eyeball,
- 4) Veins of the lower eyelid.

When choosing an answer, use the code:

A is true 1,2,3; B - 1.3; C is 2.4; D is 4; E - that's right.

**13. Indicate where the inferior ocular vein flows into:**

- 1) Superior ophthalmic vein
- 2) Cavernous sinus
- 3) Great vein of the brain
- 4) Superior sagittal sinus
- 5) Inferior sagittal sinus

**14. Indicate the saphenous veins of the upper limb:**

- 1) Head vein,
- 2) The main vein,
- 3) The intermediate vein of the forearm,
- 4) The intermediate vein of the elbow.

When choosing an answer, use the code:

A is true 1,2,3; B - 1.3; C is 2.4; D is 4; E - that's right.

**15. Indicate the length of the thoracic lymphatic duct:**

A. 15-20 cm B. 20-25 cm C. 25-30 cm D. 30-41 cm E. 41-50 cm

**16. Indicate which lymph trunks, merging, form the thoracic duct:**

- 1) The right lumbar trunk,
- 2) Intestinal trunks,
- 3) The left lumbar trunk,
- 4) The left bronchial mediastinal trunk.

When choosing an answer, use the code:

A is true 1,2,3; B - 1.3; C is 2.4; D is 4; E - that's right.

**17. Indicate where the thoracic duct can flow into:**

- 1) The left subclavian vein,
- 2) The left internal jugular vein,
- 3) The left venous angle,
- 4) Superior vena cava.

When choosing an answer, use the code:

A is true 1,2,3; B - 1.3; C is 2.4; D is 4; E - that's right.

**18. Indicate the areas of lymph outflow into the inguinal lymph nodes:**

- 1) Lower limb
- 2) External genitalia,
- 3) The skin of the lower part of the anterior abdominal wall and gluteal region,
- 4) The uterus, vagina.

When choosing an answer, use the code:

A is true 1,2,3; B - 1.3; C is 2.4; D is 4; E - that's right.

**19. Indicate the visceral pelvic lymph nodes:**

- 1) Near urinary bladder nodes,
- 2) Near uterine nodes
- 3) Vaginal nodes



4) Near rectal nodes.

When choosing an answer, use the code:

A is true 1,2,3; B - 1,3; C is 2,4; D is 4; E - that's right.

**20. With the nasopharyngeal cavity, the tympanic cavity connects:**

- 1) Carotid canal
- 2) Lacerum foramen
- 3) The muscular-tubal canal
- 4) Pterygoid canal

**21. From the cranial cavity of the maxillary nerve leaves through:**

- 1) Oval hole in the infratemporal fossa
- 2) A round hole in the pterygopalatine fossa
- 3) Foramen infraorbitale in fossa canina
- 4) The supraorbital fissure in the orbit

**22. Zone of innervation of the middle upper alveolar branches of the infraorbital nerve.**

- 1) Premolars of the mandible
- 2) Molars of the maxilla
- 3) Molars of the mandible
- 4) Premolars of the maxilla

**23. Indicate the branch that extends from the optic nerve:**

- 1) The lacrimal nerve
- 2) Infraorbital nerve
- 3) Maxillary nerve
- 4) Mandibular nerve

**24. Indicate the muscle innervated by the branches of the cervical loop:**

- 1) Sternum-hyoid muscle
- 2) Biceps
- 3) Triceps muscle of the shoulder
- 4) The brachioradialis muscle

**25. Specify what belongs to the peripheral part of the sympathetic part of the autonomic nervous system:**

- 1) Parotid vegetative nodes,
- 2) Pre-vertebral vegetative nodes,
- 3) Circulatory and organ plexuses,
- 4) Sympathetic fibers that run as part of the somatic nerves.

When choosing a response, use the code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**26. Specify how many nodes the pelvic section of the sympathetic trunk contains:**

- 1) One sacral node
- 2) Two sacral nodes
- 3) Three sacral nodes
- 4) Four sacral nodes
- 5) Five sacral nodes

**27. Specify which nerves depart from the sacral nodes of the sympathetic trunk:**

- 1) Sacral internal nerves,
- 2) Small internal nerve,
- 3) Gray connecting branches,
- 4) Lumbar internal nerves.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**28. Specify the nodes of the abdominal plexus:**

- 1) Upper mesenteric node,
- 2) Aortic nodes,
- 3) Abdominal nodes,
- 4) Internal node.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true

**29. Specify which nerves contain preganglionic parasympathetic fibers for the parotid salivary gland:**

- 1) The pharyngeal nerve,
- 2) The tympanic nerve,
- 3) The tympanic plexus,
- 4) Small stony nerve.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**30. Specify in which nerves pass postganglionic parasympathetic fibers to the parotid salivary gland:**

- 1) The tympanic nerve,
- 2) The tympanic plexus,
- 3) Small stony nerve,
- 4) Parotid branches of the ear-temporal nerve.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

#### **Option # 4**

**1. Specify the characteristic features of the structure of the left ventricle:**

- 1) Two papillary muscles,
- 2) The thickness of the myocardium is 10-15 mm,
- 3) The mouth of the aorta,
- 4) Openings of the anterior veins of the heart.

When choosing a response, use the following code:

A - if true 1,2,3; B-1,3; C-2,4; D-4; E-everything is correct.

**2. Specify the endocardial derivatives:**

- 1) Atrioventricular valve flaps,
- 2) Tendon filaments,
- 3) Semilunar valve flaps,
- 4) Fibrous rings and triangles of the heart.

When choosing a response, use the following code:

A - if true 1,2,3; B-1,3; C-2,4; D-4; E-everything is correct.

**3. Specify how the fibrous backbone ("skeleton") of the heart is formed:**

- 1) Fibrous rings of the heart,
- 2) Fibrous triangles of the heart,
- 3) The membranous part of the interventricular septum,
- 4) Heart valves.

When choosing a response, use the following code:

A - if true 1,2,3; B-1,3; C-2,4; D-4; E-everything is correct.

**4. Specify which layers of the myocardium are common to both Atria:**

- 1) Outer layer
- 2) Inner layer
- 3) Both layers
- 4) None

**5. Specify the blood supply to the anterior cerebral artery:**

- 1) the medial surface of the hemispheres of the cerebrum,
- 2) olfactory bulbs and tracts,
- 3) striped body,
- 4) the brain stem.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**6. Indicate that the middle cerebral artery supplies blood:**

- 1) The cerebellum
- 2) Brain stem,
- 3) The corpus callosum,
- 4) The upper-lateral surface of the hemispheres of the final brain.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**7. Indicate that the transverse artery of the neck supplies blood:**

- 1) Stair muscles,
- 2) Chest muscles,
- 3) The muscles below the hyoid bone,
- 4) Back muscles.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**8. Specify which artery is a direct extension of the subclavian artery:**

- 1) Brachial artery
- 2) Axillary artery
- 3) Vertebral artery
- 4) Common carotid artery

5)Shield barrel

**9. Specify the branches of the ulnar artery on the forearm:**

- 1) ulnar recurrent artery,
- 2) muscle branches,
- 3) common interosseous artery,
- 4) anterior interosseous artery.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**10.Specify how the surface palmar arch of the hand is formed:**

- 1)Terminal Department of the ulnar artery
- 2)Deep Palmar branch of the ulnar artery
- 3) Palmar carpal branch of the ulnar artery
- 4) Anterior interosseous artery
- 5) Dorsal carpal branch

**11. Indicate what is adjacent to the superior vena cava in front:**

- 1) Thymus gland,
- 2) The ascending part of the aorta,
- 3) Mediastinal pleura,
- 4) The root of the right lung.

When choosing an answer, use the code:

A is true 1,2,3; B - 1.3; C is 2.4; D is 4; E - that's right.

**12. Indicate the inflows of an unpaired vein:**

- 1) The posterior and right superior intercostal veins,
- 2) Hemyazygos vein,
- 3) Veins of the vertebral plexus,
- 4) Esophageal veins.

When choosing an answer, use the code:

A is true 1,2,3; B - 1.3; C is 2.4; D is 4; E - that's right.

**13. Indicate which organs the unpaired vein collects blood from:**

- 1) Bronchi,
- 2) Pericardium,
- 3) The esophagus
- 4) The heart.

When choosing an answer, use the code:

A is true 1,2,3; B - 1.3; C is 2.4; D is 4; E - that's right.

**14. Indicate the sinus of the dura mater, the continuation of which is the internal jugular vein:**

- 1)Transverse sinus
- 2)Superior sagittal sinus
- 3) Sigmoid sinus
- 4)Superior petrosal sinus
- 5)Straight sinus

**15. Indicate the parietal lymph nodes of the pelvis:**

- 1) Internal iliac nodes,
- 2) Gluteal nodes
- 3) Locking nodes
- 4) Sacral nodes.

When choosing an answer, use the code:

A is true 1,2,3; B - 1.3; C is 2.4; D is 4; E - that's right.

**16. Indicate the lymph nodes into which lymph flows from the parietal lymph nodes of the pelvis:**

- 1) External iliac lymph nodes,
- 2) Common iliac lymph nodes,
- 3) Subaortic lymph nodes,
- 4) Lumbar lymph nodes.

When choosing an answer, use the code:

A is true 1,2,3; B - 1.3; C is 2.4; D is 4; E - that's right.

**17. Indicate gastric lymph nodes:**

- 1) Left and right gastric lymph nodes,
- 2) Pyloric lymph nodes,
- 3) Left and right gastro-omental lymph nodes,
- 4) Cardiac lymph nodes.

When choosing an answer, use the code:

A is true 1,2,3; B - 1.3; C is 2.4; D is 4; E - that's right.

**18. Indicate in which nodes lymph flows from the lungs:**

- 1) Upper tracheobronchial nodes,
- 2) Bronchopulmonary nodes,
- 3) Lower tracheobronchial nodes
- 4) Mediastinal nodes.

When choosing an answer, use the code:

A is true 1,2,3; B - 1.3; C is 2.4; D is 4; E - that's right.

**19. Indicate which nodes lymph flow from the uterus flows:**

- 1) External iliac nodes,
- 2) Internal iliac nodes,
- 3) Lumbar nodes,
- 4) Superficial inguinal nodes.

When choosing an answer, use the code:

A is true 1,2,3; B - 1.3; C is 2.4; D is 4; E - that's right

**20. The zone of innervation of the lingual nerve includes:**

- 1) The back third of the tongue
- 2) Front 2/3 languages
- 3) Pharyngeal mucosa
- 4) Transitional mucosa

**21. The facial muscles are innervated:**

- 1) The trigeminal and facial nerves
- 2) Ear-temporal nerve
- 3) The trigeminal nerve
- 4) The facial nerve

**22. Indicate the muscles that the trigeminal nerve innervates:**

- 1) Mimic muscles
- 2) Chewing muscles
- 3) Eye muscles
- 4) Upper extremity muscles

**23. Indicate the anatomical formation that is innervated by the phrenic nerve:**

- 1) The colon
- 2) Bronchi
- 3) Diaphragm
- 4) The pancreas

**24. Indicate the passage of the obturator nerve:**

- 1) On the front surface of the large lumbar muscle
- 2) In the obturator channel
- 3) In the large sciatic opening
- 4) Behind the obturator artery

**25. Specify which fibers contain the nerves radiating from the sympathetic trunk:**

- 1) Preganglionic fibers
- 2) Postganglionic fibers
- 3) Both
- 4) Neither

**26. Specify at the level of which segments of the spinal cord are vegetative parasympathetic nuclei:**

- 1) CI-CVII segments
- 2) CVIII, ThI - LII segments
- 3) LIII-LV, SI segments
- 4) SII-SIV segments
- 5) SV, CoI segments

**27. Specify which core of the oculomotor nerve is parasympathetic:**

- A. Additional oculomotor core
- 2) Nucleus of the oculomotor nerve
- 3) Both
- 4) Neither

**28. Specify the parasympathetic nucleus of the facial nerve:**

- 1) Superior salivary nucleus
- 2) Single path Core
- 3) Nucleus of the facial nerve
- 4) None of the above

**29. Specify which internal organs are innervated by the parasympathetic part of the vagus nerve:**

- 1) Salivary and lacrimal glands,
- 2) Internal organs of the neck,
- 3) Internal pelvic organs,
- 4) Internal organs of the chest and abdomen.

When choosing a response, use the code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.

**30. Specify which nerves are preganglionic fibers to the pelvic nodes of the parasympathetic part of the autonomic nervous system:**

- 1) The anterior roots of the sacral spinal nerves,
- 2) Sacral spinal nerves,
- 3) Sacral plexus,

4) Pelvic internal nerves.

When choosing a response, use the following code:

A-true 1,2,3; B-1,3; C-2,4; D-4; E-all true.