SOMATIC INNERVATION

1. Facial muscles, innervation.
2. Temporomandibular joint, muscles related to this joint, innervation.
3. Muscles of the neck, innervation.
4. Deep muscles of the back, innervation.
5. Superficial muscles of the back, innervation.
7. Muscles involved in respiration, innervation.
8. The shoulder joint, muscles related to this joint, innervation.
9. The elbow joint, muscles related to this joint, innervation.
10. The wrist joint, muscles related to this joint, innervation.
11. Joints of the hand, muscles related to these joints, innervation.
12. The hip joint, muscles related to this joint, innervation.
13. The knee joint, muscles related to this joint, innervation.
14. The ankle joint, muscles related to this joint, innervation.
15. Joints of the foot, muscles related to these joints, innervation.

INNERVATION OF THE VISCERA

1. The oral cavity, hard and soft palate, muscles of the soft palate, tonsils, innervation.
2. The teeth, innervation.
3. Intrinsic and extrinsic muscles of the tongue, innervation.
4. The pharynx, innervation.
5. The esophagus, innervation.
6. The stomach, innervation.
7. The small intestine, innervation.
8. The large intestine, innervation.
9. The liver, the gallbladder, innervation.
10. The nose, innervation.
11. The larynx, innervation.
12. The trachea, the bronchi, the lungs, the pleura, innervation.
13. The kidney, the ureter, innervation.
14. The urinary bladder, the urethra, innervation.
15. The penis, innervation.
16. The testis, innervation.
17. The female external genitalia, innervation.
18. The vagina, the uterus, the uterine tube, the ovary, innervation.
19. Innervation of the heart. Conducting system of the heart.
20. Vessels of the greater, lesser and cardiac circulation, innervation.

CENTRAL NERVOUS SYSTEM

1. Main stages of development of the central nervous system. Brain vesicles and their derivates.
3. Sulci and gyri of superolateral surface of the cerebral hemisphere. Cortical zones in this area.
4. Sulci and gyri of medial surface of the cerebral hemisphere. Cortical zones in this area.
5. Sulci and gyri of inferior surface of the cerebral hemisphere.
6. The projection fibres of telencephalon
7. Association areas of telencephalon
8. Associative and commissural fibers of the cerebrum and spinal cord.
10. Internal structure of the cerebral hemisphere. Internal capsule, topography of the pathways within internal capsule.
13. Rhinencephalon. The limbic system.
15. Midbrain, its structures. Topography of white matter and nuclei.
17. Metencephalon, subdivision. Pons.
20. The fourth ventricle. Structure and communications.
21. The lateral ventricles. Structure, parts, boundaries and communications.
22. The third ventricle. Structure, boundaries and communications.
23. The meninges of the brain and spinal cord. Epidural, subdural and subarachnoid spaces.
24. The sinuses of the dura mater. Structure, function.
26. Pathways for unconscious proprioceptive impulses. Lesions at different levels.
29. Extrapyramidal pathways.
30. Blood supply for the brain (arteries, veins, sinuses of dura mater)

PERIPHERAL NERVOUS SYSTEM
3. Pathways of the pupillary reflex and the corneal reflex.
6. External and middle ear: parts, connections, blood supply and innervation.
7. Inner ear: parts, function, structure. Blood supply of the inner ear.
10. Upper limb skin innervation. Skin glands innervation.
11. Lower limb skin innervation. Skin glands innervation.
13. Perineum skin and muscles innervation.
14. 1st pair of cranial nerves. Pathway of olfactory analyzer.
15. 2nd pair of cranial nerves, formation, topography. Pathways of visual analyzer. Clinical symptoms of lesions at different levels.
16. 3rd, 4th and 6th pairs of cranial nerves, formation, topography, branches, areas of innervation. Ciliary ganglion.
17. 5th pair of cranial nerves, formation, topography, branches, areas of innervation.
18. Ophtalmic division of the trigeminal nerve (V1), formation, branches, areas of innervation.
19. Mandibular division of the trigeminal nerve (V3). Its formation, branches, areas of innervation.
20. Maxillary division of the trigeminal nerve (V2). Its formation, branches, areas of innervation.
22. 8th pair of cranial nerves. Its components, their formation. Pathways of the acoustic and vestibular analyzers.
23. 9th pair of cranial nerves. Formation, branches, areas of innervation. Auricular ganglion.
24. 10th pair of cranial nerves. Formation, structure and features of the nerve fibers. Recurrent sensory fibers, formation, topography, areas of innervation.
25. 11th pair of cranial nerves. Formation, topography, branches, areas of innervation.
26. 12th pair of cranial nerves. Formation, topography, branches, areas of innervation.
27. Projection of cranial nerves nuclei on the rhomboid fossa.
29. Posterior branches of spinal nerves. Formation, topography, areas of innervation.
30. Cervical plexus. Formation, topography, branches, areas of innervation.
31. Brachial plexus. Formation, topography, branches, areas of innervation.
32. Thoracic spinal nerves. Formation, branches, topography, areas of innervation.
33. Lumbar plexus. Formation, branches, topography, areas of innervation.
34. Sacral plexus. Formation, branches, topography, areas of innervation.
35. Autonomic (vegetative) nervous system. Definition, structure and divisions.
36. Sympathetic division of autonomic nervous system. Central and peripheral parts. Celiac plexus, formation, ganglions.
37. Sacral part of parasympathetic nervous system. Central and peripheral divisions. Inferior hypogastric (pelvic) plexus.
38. Suprarenal gland. Stress hormones and their effects.