

**Министерство образования и науки Российской Федерации
ФГАОУ ВО «Казанский (Приволжский) федеральный университет»**

Институт фундаментальной медицины и биологии

Высшая школа медицины

Кафедра морфологии и общей патологии

General medicine

Neuroanatomy

Questions for the module №2 (peripheral nervous system)

Section 1. 10 structures (max 3 points)

Section 2. Spinal nerves (max 3 points)

1. Describe (draw) the sketch of spinal nerve formation. Name and describe the branches of the spinal nerve. Posterior branches of the spinal nerves. What do they innervate?
2. Describe (draw) the sketch of spinal nerve formation. Name and describe the branches of the spinal nerve. Anterior branches of the thoracic spinal nerves. What do they innervate?
3. Formation of the cervical plexus. Show and name trunks and branches of the cervical plexus. What do they innervate?
4. Formation of the brachial plexus. Show and name trunks and branches of root and trunk levels of the brachial plexus. What do they innervate?
5. Formation of the brachial plexus. Show and name branches of the medial cord. What do they innervate?
6. Formation of the brachial plexus. Show and name branches of the lateral cord. What do they innervate?
7. Formation of the brachial plexus. Show and name branches of the posterior cord. What do they innervate?
8. Formation of the lumbar plexus. Show and name trunks and branches of the lumbar plexus. What do they innervate?
9. Formation of the sacral plexus. Show and name short branches of the lumbar plexus. What do they innervate?
10. Formation of the sacral plexus. Show and name branches of the tibial nerve. What do they innervate?
11. Formation of the sacral plexus. Show and name branches of the common fibular nerve. What do they innervate?

Section 3. Cranial nerves and pathways of analyzers (max 4 points) Draw the scheme of one of the cranial nerve (CN) listed below. The scheme must contain the location of nuclei in the CNS, place where the nerve leaves the brain, pathway inside the cranium, place where the nerve leaves the cranium, extracranial pathway, region of nerve supply.

1. Pathway of the olfactory analyzer (CN I).
2. Optic nerve (II), and pathway of the visual analyzer.
3. Vestibular part of the vestibulocochlear nerve (VIII), and pathway of the vestibular analyzer.
4. Cochlear part of the vestibulocochlear nerve (VIII), and pathway of the auditory analyzer.
5. Taste pathway (CN VII, IX, X).
6. Oculomotor nerve (III)
7. Trochlear (IV), Abducens (VI) cranial nerves.
8. Ophthalmic division of the trigeminal nerve (V1).

**Министерство образования и науки Российской Федерации
ФГАОУ ВО «Казанский (Приволжский) федеральный университет»**

Институт фундаментальной медицины и биологии

Высшая школа медицины

Кафедра морфологии и общей патологии

General medicine

Neuroanatomy

Questions for the module №2 (peripheral nervous system)

9. Maxillary division of the trigeminal nerve (V2).
10. Mandibular division of the trigeminal nerve (V3).
11. Facial nerve (VII).
12. Glossopharyngeal nerve (IX).
13. Vagus nerve (X).
14. Accessory (XI), hypoglossal (XII) cranial nerves.