

# **EXAMINATION QUESTIONS**

## **For the Foreign Students in Neurology**

1. **Pyramidal tracts (corticospinal and corticonuclear parts). Anatomy. Symptoms of disorders.**
2. **Exteroceptive sensation pathways. Anatomy. Symptoms of disorders.**
3. **Proprioceptive sensation pathways. Anatomy. Symptoms of disorders.**
4. **Types of sensory disorders.**
5. **The definition of alternating syndromes at brainstem disorder. Weber's syndrome.**
6. **Internal capsule. Anatomy. Symptoms of disorders.**
7. **Thalamus. Anatomy. Symptoms of disorders.**
8. **Cerebellum. Connections of the cerebellum. Symptoms of disorders.**
9. **Types of ataxia.**
10. **Pallidum. Anatomy. Symptoms of disorders.**
11. **Neostriatum. Anatomy. Symptoms of disorders.**
12. **Localization of functions in the brain cortex.**
13. **Symptoms of the frontal lobe disorders.**
14. **Symptoms of the temporal lobe disorders.**
15. **Symptoms of the parietal lobe disorders.**
16. **Symptoms of the occipital lobe disorders.**
17. **Meninges of the brain and the spinal cord. Anatomy. Symptoms of disorders.**
18. **Blood supply of the brain in physiological and pathological conditions.**
19. **I cranial nerve. Anatomy. Symptoms of disorders.**
20. **II cranial nerve. Anatomy. Symptoms of disorders.**
21. **III cranial nerve. Anatomy. Symptoms of disorders.**
22. **IV cranial nerve. Anatomy. Symptoms of disorders.**
23. **V cranial nerve. Anatomy. Symptoms of disorders.**
24. **VI cranial nerve. Anatomy. Symptoms of disorders.**
25. **Disorder symptoms of VII cranial nerves at different levels.**
26. **VIII cranial nerve. Anatomy. Symptoms of disorders.**
27. **IX and X cranial nerves. Anatomy. Symptoms of disorders.**
28. **XI cranial nerve. Anatomy. Symptoms of disorders.**
29. **XII cranial nerve. Anatomy. Symptoms of disorders.**
30. **Parasympathetic part of the vegetative nervous system. Anatomy. Symptoms of disorders.**
31. **Sympathetic part of the vegetative nervous system. Anatomy. Symptoms of disorders.**
32. **Hypothalamic area, its functional role.**
33. **Peripheral paralysis syndrome.**
34. **Central paralysis syndrome.**
35. **Syndrome of transverse damage of the spinal cord at the middle thoracic level.**
36. **Symptoms of transverse damage of the spinal cord at the cervical enlargement level. Brown-Sequard syndrome.**
37. **Syndrome of the Cauda Equina compression.**

38. Syndrome of disorder of inferior roots of the brachial plexus (C7-Th1)
39. Symptoms of transverse damage of the spinal cord at the lumbar enlargement level.
40. Syndrome of disorder of superior roots of the brachial plexus (C5-C6)
41. Polyneuritic syndrome. Syndrome of peripheral nerve disorder.
42. Syndrome of pelvic organs disorder.
43. Cerebellopontine angle syndrome (Symptoms of V, VII, VIII cranial nerves lesions).
44. Types of aphasia (Its topical diagnostic value). Apraxia, agnosia (types, clinical signs).
45. Hypothalamus disorder syndrome.
46. Bulbar palsy. Pseudobulbar palsy.
47. Differential diagnostics of Bulbar palsy and Pseudobulbar palsy.
48. Meningeal syndrome. Composition of Normal Cerebrospinal Fluid.
49. Parkinsonian syndrome.
50. Hyperkinetic syndrome . Kinds of hyperkinesis.
51. CSF. Formation, circulation, absorption, and functions of the cerebrospinal fluid.
52. Cerebrospinal fluid syndromes: cell-protein dissociation and protein-cell dissociation. Cerebral hypertensive syndrome.
53. General cerebral symptoms at inflammatory diseases of the brain
54. Convulsive syndrome (Its diagnostic value at brain disorders)
55. Bacterial Meningitis (primary, secondary). Etiology, clinical features, treatment
56. Serous Meningitis. Differential diagnosis.
57. Tuberculous Meningitis.
58. Herpes encephalitis.
59. Acute transverse myelitis.
60. Poliomyelitis.
61. Brain abscess.
62. Cerebral toxoplasmosis.
63. Cerebral echinococcosis.
64. Diphtheritic polyneuropathy. Diabetic polyneuropathy. Alcoholic polyneuropathy
65. Allergic infectious polyradiculoneuropathy (Guillain-Barré syndrome).
66. Low-back pain. The definition of myofascial pain syndrome
67. Toxicotraumatic neuropathy of the radial nerve (sleep palsy)
68. Trigeminal neuralgia
69. Neuropathy of the facial nerve
70. Neuropathy of the brachial plexus (etiology, pathogenesis, clinical features, treatment).
71. Neuropathy of the ulnar and the median nerves.
72. Neuropathy of the peroneal and the tibial nerves.
73. Hemorrhagic Stroke (etiology, clinical features, diagnostics, treatment).
74. Subarachnoid hemorrhage (etiology, pathogenesis, clinical features, treatment)
75. Ischemic Stroke (etiology, clinical features, diagnostics, treatment).
76. Transient ischemic attacks.
77. Dementia at various diseases (AIDS and syphilitic dementia, hydrocephalus, Creutzfeldt-Jakob disease, vascular dementia)

78. **Alzheimer's disease (clinical features, diagnostics, treatment).**
79. **Syringomyelia.**
80. **Multiple Sclerosis. Acute disseminated encephalomyelitis.**
81. **Amyotrophic lateral sclerosis.**
82. **Spinal amyotrophy (Werdnig-Hoffmann disease) (Wohlfart-Kugelberg-Welander disease).**
83. **Hereditary motor sensory (peroneal) neuropathy (Charcot-Marie-Tooth disease).**
84. **Progressive muscular dystrophy (Duchenne dystrophy, Becker muscular dystrophy)**
85. **Hepatolenticular degeneration (Wilson - Strümpell-Westphal disease)**
86. **Huntington's Chorea.**
87. **Friedreich's ataxia.**
88. **Peripheral neurofibromatosis (Recklinghausen's disease).**
89. **Myotonia congenita (Thomsen's disease).**
90. **Myasthenia.**
91. **Parkinson's disease**
92. **Tumors of the cerebellum**
93. **Tumors of the hypophysis**
94. **Tumors of the cerebral hemispheres**
95. **Investigation methods at spinal cord diseases.**
96. **Cauda equine tumors. Clinical finding and differential diagnostics.**
97. **Classification of craniocerebral traumas.**
98. **Cerebral concussion, cerebral contusions. Clinical finding. Treatment**
99. **Intracranial (subdural, epidural) hematomas. Diagnostics. Treatment.**