

RAJASTHAN PUBLIC SERVICE COMMISSION
SYLLABUS FOR SCREENING TEST FOR THE POST OF
ASSISTANT PROFESSOR (Super Speciality)
NEUROLOGY
MEDICAL EDUCATION DEPARTMENT

1. Applied Neuroanatomy.
2. Applied Neurophysiology.
3. Neuropathology, particularly disorders involving Peripheral Nerves and Muscles, Brain and Spinal cord.
4. A-Neuro Symptomatology.
B-Neurological Examination and its interpretation.
5. Neurological Localization.
6. Laboratory investigations in Neurological disorders including Serology and Molecular Biology.
7. Clinical Neurophysiology including EEG, EMG, NCS, Polysomnography, Transcranial Doplar Study etc.
8. Neuroimaging and Nuclear Medicine in Neurology i.e. PET/SPET etc. and Chemical imaging.
9. Neurological disorders (Etiopathogenesis, Clinical Presentation, Coures, Management, Treatment including recent Clinical Trial)
 - i) Cerebrovascular Diseases
 - ii) CNS infections
 - iii) Demyelinating disorder.
 - iv) Deficiency disorders of CNS
 - v) Toxic and Metabolic Neurological disorders.
 - vi) Disorders of Brain secondary to inborn errors of metabolism, hypoxia.
 - vii) Developmental disorders of CNS/Neurocutaneous syndromes.
 - viii) Dementias
 - ix) Epilepsies including modern management and surgery.
 - x) Cranial Neuropathies and CVJ Anomalies.
 - xi) Sleep and it's disorders.
 - xii) Disorders of Extrapyrmidal System.
 - xiii) Disorders of Cerebellum.
 - xiv) Disorders of Spinal cord.
 - xv) Disorders of Peripheral Nerves, Roots and Plexuses.
 - xvi) Disorders of Muscle and Neuromuscular junction.
 - xvii) Neurological Manifestations of Systemic Disorder and Neuroendocrinolgy.
 - xviii) CNS Malignancies and Paraneoplastic Syndromes.

- xix) Disorders of CSF circulation and Brain edema.
- xx) Disorders of ANS.
- xxi) Mitochondrial Cytopathies.
- xxii) Headache and other related craniofacial pain disorders.
- xxiii) Disorders of Consciousness.
- xxiv) Preganancy and Neurological Disorder.
- xxv) Tropical Neurology
- xxvi) Motorneuron Diseases
- xxvii) Brain Tumors
- xxviii) Neuro-Ophthalmology
- xxix) Gait Disorders
- xxx) Neuro-Urology
- xxxii) Prion-diseases
- xxxiii) Neuro-Degenerative disorder
- 10. Principles of interventional neurology including botulinum toxin therapy, deep brain stimulation, magnetic stimulation, vagus nerve stimulation and endovascular therapy/ intervention.
- 11. Neurointensive care
- 12. Pain management
- 13. Neuroimmunology
- 14. Clinical Neurogenetics
- 15. Neuropsychiatry and relevant neuro-surgery
- 16. Neuro- Rehabilitation
- 17. Teaching and Research methodologies.

Pattern of Question Paper

1. Objective type paper
2. Maximum Marks : 180
3. Number of Questions : 180
4. Duration of paper : Three Hours
5. All Questions carry equal marks
6. Medium of Screening Test: English
7. There will be Negative marking
(1/3 part of the Mark(s) of each question will be deducted for each wrong answer)