

**SUPER SPECIALTY PROGRAMME D.M. (NEUROLOGY)
EXAMINATION, AUGUST-2025**

**PAPER - I
BASICS SCIENCES AS RELATED TO NEUROLOGY**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever necessary.

Long essay type questions:

Q.1. Discuss clinical neuroanatomy and pathophysiology of different types of Aphasias. **(20)**

Q.2. Discuss the Physiological Aspects of Pain and pathophysiology of neuropathic pain. **(20)**

Q.3. Describe briefly: **(3x10=30)**

- a. Papez Circuit and its role in memory
- b. Laboratory diagnosis of herpes simplex encephalitis
- c. Neuropathology of HIV infection

Q.4. Write short notes on: **(5x6=30)**

- a. Hippocampal sclerosis.
- b. Lamotrigine
- c. Neurogenic urinary bladder dysfunction
- d. Calcitonin gene related peptide in migraine
- e. Cohort Studies

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PAPER - II
CLINICAL NEUROLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever necessary.

Long essay type questions:

Q.1. Deficiency diseases of Nervous System. (20)

Q.2. Treatment of Acute Ischemic Stroke. (20)

Q.3. Describe briefly: (3x10=30)

- a. Neurological complications of COVID 19
- b. Neurological Complications in Critically ill patients
- c. SUNCT vs SUNA

Q.4. Write short notes on: (5x6=30)

- a. Jeavons Syndrome
- b. Eosinophilic Meningitis
- c. Vestibular Paroxysmia
- d. Neurologic complications of Metronidazole
- e. Sensory Neuronopathy

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PAPER - III
INVESTIGATIVE NEUROLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever necessary.

Long essay type questions:

- Q. 1.** Diagnosis and management of drug sensitive and drug resistant tuberculous meningitis. **(20)**
- Q. 2.** Approach to a case of wake-up stroke. **(20)**
- Q. 3. Describe briefly:** **(3x10=30)**
- a.** Neurophysiological approach to neuromuscular junction disorders.
 - b.** Man in barrel syndrome.
 - c.** Late reflexes.
- Q. 4. Write short notes on:** **(5x6=30)**
- a.** Uroflowmetry.
 - b.** Neurogenic versus myopathic atrophy on muscle biopsy.
 - c.** Carpal tunnel syndrome.
 - d.** Periodic complexes.
 - e.** EEG of sleep.

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PAPER - IV
RECENT ADVANCES IN NEUROLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever necessary.

Long essay type questions:

- Q.1.** A 35 years female presented with progressive proximal muscle weakness of limb girdle muscles for last 6 months and her Creatine phosphokinase (CPK) is 3500, how will you approach this patient in view of recent advances in neuro-immunology or neurogenetics? **(20)**
- Q.2.** Newer Imaging techniques for functional imaging in neurology and their role in current clinical practice. **(20)**
- Q.3. Describe briefly:** **(3x10=30)**
- a. Recent advances in Autoimmune encephalitis
 - b. Management of NORSE/FIRES
 - c. Biomarkers in Alzheimer's disease in current practice
- Q.4. Write short notes on:** **(5x6=30)**
- a. Advancement in neurorehabilitation after stroke
 - b. Advancement in treatment of migraine
 - c. Updated classification and management of Diabetic Neuropathy
 - d. Role of TMAO level in stroke patients
 - e. Role of new drug Uplizna
