Rajiv Gandhi University of Health Sciences, Karnataka

D.M. Degree Examination – 15-Mar-2025

Time: Three Hours **Max. Marks: 100 Marks**

NEUROLOGY - PAPER – I
QP Code: 9371

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 x 10 = 100 Marks**

1. Anatomical correlates of olfaction and write briefly about smell in neurological diseases
2. Anatomy of brachial plexus
3. Functions of parietal lobes
4. F waves and H reflex
5. Blood brain barrier in health and disease
6. Neurotransmitters concerned with pain perception and central modulation of nociception
7. Pathogenesis of Myasthenia Gravis
8. Pupillary light reflex and accomodation reflex
9. Pathophysiology of spasticity and rigidity
10. Mechanisms of epileptogenesis

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D.M. Degree Examination – 17-Mar-2025

Time: Three Hours **Max. Marks: 100 Marks**

NEUROLOGY - PAPER – II
QP Code: 9372

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 x 10 = 100 Marks**

1. Management of status epilepticus.
2. Evaluation and management of Delirium.
3. Cannabinoids in neurological practice.
4. Provide an overview of skeletal muscle channelopathies.
5. Non motor symptoms in Parkinson’s disease.
6. CGRP target based therapies in migraine.
7. Hemicraniectomy for acute ischemic stroke: evidence based summary.
8. Gene therapy for spinal muscular atrophy.
9. Thunderclap headache.
10. Evidence based discussion of natalizumab for multiple sclerosis.

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Rajiv Gandhi University of Health Sciences, Karnataka

D.M. Degree Examination – 19-Mar-2025

Time: Three Hours **Max. Marks: 100**

NEUROLOGY - PAPER – III
QP Code: 9373

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

Answer All The Questions **10 x 10 = 100 Marks**

1. Diffusion weighted imaging
2. MRI in inflammatory spinal cord disorders
3. Sympathetic skin response
4. Stroke rehabilitation
5. Laboratory assessment of gait disorders
6. CSF – anatomy, physiology and applied aspects
7. Raised ICP
8. Hashimoto's encephalopathy
9. Pediatric stroke
10. Idiopathic generalized epilepsy

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D.M Degree Examination – 21-Mar-2025

Time: Three Hours **Max. Marks: 100**

NEUROLOGY - PAPER – IV
QP Code: 9374

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

ANSWER ALL THE QUESTIONS **10 X 10 = 100 MARKS**

1. Stem cell therapy in neurological disorders
2. Update in acute ischemic stroke
3. Discuss the role of device based therapies in management of Parkinson's Disease
4. Rituximab in neurological disorders
5. Current understanding of non epileptic attack disorder
6. Update in HMSN
7. Enzyme replacement therapy in neurological disorders
8. Plasmapheresis in neurological disorders
9. Neuronavigation
10. Transcranial doppler

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Rajiv Gandhi University of Health Sciences, Karnataka

D.M. Degree Examination – 14-Aug-2025

Time: Three Hours **Max. Marks: 100 Marks**

NEUROLOGY - PAPER – I
QP Code: 9371

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 x 10 = 100 Marks**

1. Origin and functions of pyramidal tract
2. Anatomy of craniovertebral junction
3. Embryology of brain stem
4. Visual pathways and its defects
5. Node, paranode, Juxtaparanode
6. Cross sectional anatomy and vascular supply of pons
7. PARKIN gene
8. Blood supply of thalamus
9. Occipital lobes – anatomy and functions
10. Physiology of learning and memory

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D.M. Degree Examination – 16-Aug-2025

Time: Three Hours **Max. Marks: 100 Marks**

NEUROLOGY - PAPER – II
QP Code: 9372

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 x 10 = 100 Marks**

1. HIV and CNS involvement – brief note
2. Orbital apex syndrome
3. Transient ischemic attacks
4. Neuromyotonia
5. Evaluation and management of CIDP
6. Inclusion body myositis
7. Management of dystonia
8. Malignant cerebral **infarction**
9. Diagnostic criteria of Creutzfeldt-Jakob Disease
10. Idiopathic intracranial hypertension

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Rajiv Gandhi University of Health Sciences, Karnataka

D.M. Degree Examination – 18-Aug-2025

Time: Three Hours **Max. Marks: 100 Marks**

NEUROLOGY - PAPER – III
QP Code: 9373

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 x 10 = 100 Marks**

1. Intracranial hypotension syndrome
2. Electrophysiological evaluation of Tremors
3. Polysomnography
4. HIV and PNS involvement and electrophysiological role
5. Approach to acute flaccid quadriparesis
6. Role of MRI in the diagnosis of Multiple Sclerosis
7. Serial MRI changes in intracranial bleed
8. Early radiological signs of acute ischaemic stroke
9. Transcranial Doppler
10. **Intraoperative Neurophysiological monitoring**

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D.M Degree Examination – 20-Aug-2025

Time: Three Hours **Max. Marks: 100 Marks**

Neurology - PAPER – IV
QP Code: 9374

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

ANSWER ALL THE QUESTIONS **10 X 10 = 100 MARKS**

1. Current best practices of ICH
2. Genetics of Epilepsy
3. Recent advances in management of NMOSD
4. Intra-operative monitoring – recent advances
5. Advances in Migraine
6. Advances in epilepsy management
7. Controversies in PFO Management
8. Brain computer interface
9. Advances in management of Duchenne muscular dystrophy
10. Multimodal MRI in Acute Stroke

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Rajiv Gandhi University of Health Sciences, Karnataka

D.M. Degree Examination – 24-Nov-2025

Time: Three Hours **Max. Marks: 100**

NEUROLOGY - PAPER – I
QP Code: 9371

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

Answer All The Questions **10 x 10 = 100 Marks**

1. Classification of peripheral nerve fibres
2. Dopamine receptors
3. Guillain-Mollaret Triangle
4. Cerebellar Nuclei and Cerebellar connections
5. Conus Medullaris and cauda equina
6. Compare and contrast Peripheral myelin and central myelin
7. Neuromuscular junction in health and disease
8. Mitochondrial inheritance in Neurological disorders
9. Horner’s syndrome
10. Role of long term potentiation (LTP) in memory

Rajiv Gandhi University of Health Sciences, Karnataka

D.M. Degree Examination – 24-Nov-2025

Time: Three Hours **Max. Marks: 100**

NEUROLOGY - PAPER – I
QP Code: 9371

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

Answer All The Questions **10 x 10 = 100 Marks**

1. Classification of peripheral nerve fibres
2. Dopamine receptors
3. Guillain-Mollaret Triangle
4. Cerebellar Nuclei and Cerebellar connections
5. Conus Medullaris and cauda equina
6. Compare and contrast Peripheral myelin and central myelin
7. Neuromuscular junction in health and disease
8. Mitochondrial inheritance in Neurological disorders
9. Horner’s syndrome
10. Role of long term potentiation (LTP) in memory

D.M. Degree Examination – 26-Nov-2025

Time: Three Hours **Max. Marks: 100 Marks**

NEUROLOGY - PAPER – II
QP Code: 9372

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 x 10 = 100 Marks**

1. Antidepressant therapy
2. Diagnosis of Multiple Sclerosis
3. Diagnosis of Parkinson disease
4. Hyperkinetic movement disorders
5. Diagnosis of Wilson Disease
6. FAHR’S Syndrome
7. Diagnosis of Alzheimer’s disease
8. Treatable Dementias
9. Aphasias
10. Diagnosis of Guillain Barre syndrome

Rajiv Gandhi University of Health Sciences, Karnataka

D.M. Degree Examination – 28-Nov-2025

Time: Three Hours **Max. Marks: 100 Marks**

NEUROLOGY - PAPER – III
QP Code: 9373

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary

Answer All The Questions **10 x 10 = 100 Marks**

1. Role of Neuroimaging of epilepsy
2. Clinical Utility of 'H' Reflex
3. Spontaneous Activity in EMG
4. Electro physiologic Evaluation of Brachial plexus
5. Posturography
6. Vestibular Testing
7. Video EEG
8. Tractrography
9. Amyloid imaging
10. Intra operative monitoring

D.M Degree Examination – 01-Dec-2025

Time: Three Hours **Max. Marks: 100**

NEUROLOGY - PAPER – IV
QP Code: 9374

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

ANSWER ALL THE QUESTIONS **10 X 10 = 100 MARKS**

1. Update in multiple sclerosis diagnosis and treatment
2. Gene specific therapies in neurology
3. Current trends in endovascular treatment of acute stroke
4. Newer antiseizure medicines
5. Vagus nerve stimulation in epilepsy
6. DBS in Parkinson's disease
7. Newer therapeutic agents for migraine
8. Yoga for neurological disorders
9. Immunoglobulins in neurological disorders
10. Therapeutic rTMS in neurological disorders