

(LD 033)

AUGUST 2013

Sub. Code: 1563

M.Ch. – NEURO SURGERY
THREE YEARS/FIVE YEARS/SIX YEARS COURSE – PART – I/PART – II
Paper – III CLINICAL NEUROLOGY
Q.P.Code: 181563

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss the causes and management of a young adult presenting with recurrent episodes of pyogenic meningitis.
2. Enumerate the clinical features, differential diagnosis of a patient presenting with acute onset ascending flaccid weakness of all four limbs and outline the relevant investigations that would confirm the diagnosis.

II. Write notes on:

(10X7=70)

1. Status epilepticus.
2. Corneal reflex.
3. Frontal lobe release signs.
4. Idiopathic intracranial hypertension.
5. Moyamoya disease.
6. Apraxia.
7. Cruciate hemiparesis.
8. Weber's syndrome.
9. Putamenal hemorrhage.
10. Carpal tunnel syndrome.

(LE 033)

FEBRUARY 2014

Sub. Code: 1563

**M.Ch. – NEURO SURGERY
THREE YEARS/FIVE YEARS/SIX YEARS COURSE – PART – I/PART – II
Paper – III CLINICAL NEUROLOGY
*Q.P.Code: 181563***

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss the anatomical diagnosis in a thirty year old male presenting with progressive paraparesis of two months duration. Outline the management of this patient towards arriving at the diagnosis.
2. Enumerate the symptoms of raised intracranial pressure. Discuss the pathophysiological basis for the same.

II. Write notes on:

(10X7=70)

1. Myasthenia gravis.
2. Compare and contrast clinical findings in lesions of the motor root Vs anterior horn cell.
3. Amyotrophic lateral sclerosis.
4. Postural hypotension.
5. Unilateral dilated pupil.
6. Normal pressure hydrocephalus.
7. Ataxia.
8. Complex partial seizures.
9. Spinal shock.
10. Gerstmann's syndrome.

[LF 033]

AUGUST 2014

Sub. Code: 1563

M.Ch. – NEURO SURGERY
THREE YEARS / FIVE YEARS / SIX YEARS COURSE
PART – I / PART – II
Paper III – CLINICAL NEUROLOGY
Q. P. Code: 181563

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the causes, pathophysiology and management of a young lady with idiopathic intracranial hypertension.
2. Discuss the causes, pathophysiology and management of a patient with Guillain Barre Syndrome.

II. Write notes on:

(10 x 7 = 70)

1. Moya moya disease.
2. Immunoglobulin therapy in neurology.
3. Cerebral venous thrombosis.
4. Cruciate hemiplegia.
5. Management of migraine.
6. False localizing signs in neurology.
7. Spino cerebellar ataxia.
8. Frontal lobe release signs.
9. Top of basilar artery occlusion.
10. Diabetic neuropathy.

[LH 033]

AUGUST 2015

Sub. Code: 1563

M.Ch. – NEURO SURGERY
THREE YEARS COURSE – Final - Paper II /
SIX YEARS COURSE – Part II - Paper III
CLINICAL NEUROLOGY

Q.P. Code: 181563

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail the diagnosis and management of Multiple sclerosis.
2. Discuss in detail the diagnosis and management of viral encephalitis.

II. Write notes on :

(10 x 7 = 70)

1. Moya moya disease.
2. Haemorrhagic stroke.
3. Multi infarct dementia.
4. Entrapment neuropathies.
5. Restless leg syndrome.
6. Microcephaly and craniostenosis.
7. Porencephalic cyst.
8. Intractable epilepsy.
9. Papilledema.
10. Methyl prednisolone.

(LJ 033)

AUGUST 2016

Sub. Code: 1563

M.Ch. – NEURO SURGERY
THREE YEARS COURSE – Final – Paper - II /
SIX YEARS COURSE – Part II – Paper - III
CLINICAL NEUROLOGY
Q.P.Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Classification of Epilepsy and Enumerate about late onset seizures.
2. Discuss in detail about Acute Disseminated Encephalomyelitis (ADEM).

II. Write notes on: (10 x 7 = 70)

1. Blood in MRI images.
2. Gerstmann's syndrome.
3. Video EEG.
4. Guillian Barre syndrome.
5. Motor Neuron disease.
6. Trigeminal Neuralgia.
7. Ankle jerk.
8. Acromegaly.
9. Penumbra.
10. Neurological Manifestations of HIV.

(LK 033)

FEBRUARY 2017

Sub. Code: 1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – Final – Paper - II /

SIX YEARS COURSE – Part II – Paper - III

CLINICAL NEUROLOGY

Q.P.Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the clinical features, pathophysiology and management of trigeminal neuralgia.
2. Discuss the causes, pathophysiology and management of myasthenia gravis.

II. Write notes on:

(10 x 7 = 70)

1. Dystonia.
2. Non compressive myelopathy.
3. Locked in syndrome.
4. Ischemic stroke.
5. Subacute sclerosing panencephalitis.
6. Temporal arteritis.
7. Disconnection syndrome.
8. Central pontine myelinolysis.
9. Wernicke-Korsakoff syndrome.
10. Bourneville disease.

(LL 033)

AUGUST 2017

Sub. Code: 1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – Final – Paper - II /

SIX YEARS COURSE – Part II – Paper - III

CLINICAL NEUROLOGY

Q.P.Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail the diagnosis and management of stroke in young patient.
2. Discuss in detail the classification, pathophysiology of Parkinson's disease and its management.

II. Write notes on:

(10 x 7 = 70)

1. Amyotrophic lateral sclerosis.
2. Reversible Ischemic Neurological deficit.
3. Palatal myoclonus.
4. Chronic inflammatory demyelinating polyradiculopathy.
5. Neurofibromatosis.
6. Neuroleptic malignant syndrome.
7. Neural tube defects.
8. Syringomyelia.
9. Central cord syndrome.
10. Recurrent bacterial meningitis.

(LM 033)

FEBRUARY 2018

Sub. Code: 1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – Final – Paper - II /

SIX YEARS COURSE – Part II – Paper - III

CLINICAL NEUROLOGY

Q.P.Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail about Movement disorders.
2. Elaborate the Causes, Diagnosis, Investigations and Management of Cortical Vein Thrombosis.

II. Write notes on:

(10 x 7 = 70)

1. Optic atrophy.
2. Functional Cortical Mapping.
3. Different types of Meningitis.
4. Medial and Lateral Medullary Syndromes.
5. Neurofibromatosis Type 1 & Type 2 (NF1 / NF2).
6. Magnetic Resonance Spectroscopy (MRS).
7. Spino Cerebellar degeneration.
8. Aphasias.
9. Cerebral dominance.
10. Evoked potentials.

(LN 033)

AUGUST 2018

Sub. Code: 1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – Final – Paper - II /

SIX YEARS COURSE – Part II – Paper - III

CLINICAL NEUROLOGY

Q.P.Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Define dementia, enumerate the causes of dementia and discuss the management of Alzheimer's disease.
2. Management of Parkinson's disease.

II. Write notes on:

(10 x 7 = 70)

1. Lumbar puncture.
2. Monosynaptic reflex.
3. Tremor.
4. Premonitory symptoms of epilepsy.
5. Management of myasthenia gravis.
6. Benign intracranial hypertension.
7. Babinski's sign.
8. Brain stem reflexes.
9. Anticoagulant therapy in stroke.
10. Urinary incontinence.

(LO 033)

FEBRUARY 2019

Sub. Code: 1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – Final – Paper - II /

SIX YEARS COURSE – Part II – Paper - III

CLINICAL NEUROLOGY

Q.P. Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. A 26 year old lady presenting with immediate post partum seizure management.
2. Diagnosis and management of Gullain Barre syndrome.

II. Write notes on:

(10 x 7 = 70)

1. Thymoma.
2. Multiple brain metastases.
3. Tuberculoma.
4. Status epilepticus.
5. Brain death certification.
6. Multiple myeloma.
7. Devic syndrome.
8. Ataxia.
9. Internuclear ophthalmoplegia.
10. Methyl cobalamine.

(LP 033)

AUGUST 2019

Sub. Code: 1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – Final – Paper - II /

SIX YEARS COURSE – Part II – Paper - III

CLINICAL NEUROLOGY

Q.P. Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Discuss the clinical features, pathophysiology and management of a patient with pyogenic brain abscess.
2. Discuss the clinical features, pathophysiology and management of Dementia. Write on surgical management of Dementia.

II. Write notes on: (10 x 7 = 70)

1. Vascular headache.
2. Lateral medullary infarct.
3. Methods to elicit plantar reflex.
4. Atlanto axial dislocation.
5. Temporal arteritis.
6. Plasmapheresis.
7. Superior orbital fissure syndrome.
8. Hydatid cyst in the brain.
9. Hypertensive bleed in the brain.
10. Visual association cortex lesions.

(LQ 033)

FEBRUARY 2020

Sub. Code: 1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – Final – Paper - II /

SIX YEARS COURSE – Part II – Paper - III

CLINICAL NEUROLOGY

Q.P. Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the aetiology, investigation and management of stroke in the young.
2. Discuss the causes and investigations for Acute onset Paraplegia.

II. Write notes on:

(10 x 7 = 70)

1. Internuclear ophthalmoplegia.
2. Clinical features of Non-dominant parietal lobe lesion.
3. Cerebral venous sinus thrombosis.
4. Myasthenia gravis.
5. EEG in Infancy.
6. Persistent vegetative state.
7. Hyponatraemia in Neurological and Neurosurgical practice.
8. Mechanism of action, dosage, side effects and drug interaction of the common anticonvulsant drugs.
9. Drug treatment of Parkinsonism.
10. Diabetic neuropathy.

(LR 033)

NOVEMBER 2020
(AUGUST 2020 SESSION)

Sub. Code: 1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – Final – Paper - II /

SIX YEARS COURSE – Part II – Paper - III

CLINICAL NEUROLOGY

Q.P. Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail the types of gait disorders, their localisation and differential diagnosis.
2. Discuss the etiopathogenesis, clinical features and management of idiopathic intracranial hypertension

II. Write notes on:

(10 x 7 = 70)

1. One and a half syndrome
2. Carpal tunnel syndrome
3. Role of visual evoked potentials (EVP) in neurosurgery
4. Neurogenic claudication and its differential diagnosis
5. Cauda equina and conus medullaris syndromes
6. Visual field testing
7. Differences between central and peripheral vertigo
8. Chiasmal syndromes
9. Cortical blindness
10. Unilateral ptosis

(MCH 0821)

AUGUST 2021

Sub. Code: 1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – Final – Paper - II /

SIX YEARS COURSE – Part II – Paper - III

CLINICAL NEUROLOGY

Q.P. Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail the types of gait disorders, their localisation and differential diagnosis.
2. Discuss the etiopathogenesis, clinical features and management of Idiopathic Intracranial Hypertension.

II. Write notes on:

(10 x 7 = 70)

1. One and a half syndrome.
2. Carpal tunnel syndrome.
3. Role of visual evoked potentials in neurosurgery.
4. Neurogenic claudication and its differential diagnosis.
5. Cauda equina and conus medullaris syndromes.
6. Visual field testing.
7. Differences between central and peripheral vertigo.
8. Chiasmal syndromes.
9. Cortical blindness.
10. Unilateral ptosis.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MCH 0222]

FEBRUARY 2022

Sub.Code :1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – Final – Paper - II /

SIX YEARS COURSE – Part II – Paper - III

CLINICAL NEUROLOGY

Q.P. Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Etiology, clinical features Pathophysiology and management of PHAKOMATOSIS.
2. Explain in detail about Etiology, Pathophysiology and clinical features of Right sided Hemiplegia.

II. Write notes on:

(10 x 7 = 70)

1. GERSTMANN Syndrome.
2. Peripheral Neuropathy.
3. Optic Atrophy.
4. Absent Seizures.
5. LAMOTRIGINE.
6. Foster – Kennedy syndrome.
7. Hippocampal Formation.
8. Clinical features of cerebellar lesions.
9. Neuroprotective Agents.
10. Alpha – Fetoprotein.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0822)

AUGUST 2022

Sub. Code: 1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – Final – Paper - II

SIX YEARS COURSE – Part II – Paper - III

CLINICAL NEUROLOGY

Q.P. Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Seizure classification and management of status epileptics.
2. Clinical features and management of posterior circulation stroke syndromes.

II. Write notes on:

(10 x 7 = 70)

1. GUILLIAN BARRE Syndrome.
2. Myasthenia gravis.
3. Neurocysticercosis.
4. Babinski's reflex.
5. f-wave.
6. Kluver bucy syndrome.
7. Brown sequard syndrome.
8. Neuro fibromatosis Type-I.
9. Bells palsy.
10. Apraxia.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0223)

FEBRUARY 2023

Sub. Code: 1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – FINAL – PAPER - II

SIX YEARS COURSE – PART II – PAPER - III

CLINICAL NEUROLOGY

Q.P. Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Clinical features and management of Parkinson's disease with a note on surgical management.
2. Clinical features, diagnosis and management of Motor neurone disease.

II. Write notes on: **(10 x 7 = 70)**

1. Neuromyelitis optica.
2. Duchenne muscular dystrophy.
3. Aseptic meningitis.
4. Neurofibromatosis type-II.
5. H-Reflex.
6. Inverted supinator reflex.
7. Primitive reflexes.
8. Agnosia.
9. Recent Advances in acute ischemic stroke management.
10. Status epilepticus.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0124)

JANUARY 2024

Sub. Code: 1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – FINAL – PAPER - II

SIX YEARS COURSE – PART II – PAPER - III

CLINICAL NEUROLOGY

Q.P. Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Types of Gait disorders and their differential diagnosis and localisation.
2. Etiopathogeneses and management of tuberculous infection of the brain

II. Write notes on:

(10 x 7 = 70)

1. Frontal lobe functions.
2. Medical management of growth hormone secreting pituitary adenoma.
3. Newer concepts in management of subarachnoid disease.
4. Myelin oligodendrocyte glycoprotein antibody-associated disease (MOGAD).
5. Role of Immunosuppressants in treating brain disorders.
6. Pseudobulbar palsy.
7. Radiological criteria to differentiate cysticercosis and tuberculoma.
8. Deep brain stimulation.
9. Facial nerve monitoring in CP angle tumour surgeries.
10. Methylprednisolone.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

(MCH 0825)

AUGUST 2025

Sub. Code: 1563

M.Ch. BRANCH II – NEURO SURGERY

THREE YEARS COURSE – FINAL – PAPER - II

SIX YEARS COURSE – PART II – PAPER - III

CLINICAL NEUROLOGY

Q.P. Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail the causes, pathophysiology and management of myasthenia gravis.
2. Discuss in detail about the Phenomenology and pattern approach to the diagnosis of movement disorders.

II. Write notes on:

(10 x 7 = 70)

1. Optic atrophy.
2. Functional cortical mapping.
3. Different types of meningitis.
4. Lateral medullary syndrome.
5. Neurofibromatosis Type 1 & 2.
6. Magnetic resonance spectroscopy.
7. Spinocerebellar degeneration.
8. Aphasias.
9. Cerebral dominance.
10. Evoked potentials.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

(MCH 0126)

JANUARY 2026

Sub. Code: 1563

M.Ch. – NEURO SURGERY

THREE YEARS COURSE – FINAL – PAPER - II

SIX YEARS COURSE – PART II – PAPER - III

CLINICAL NEUROLOGY

Q.P. Code: 181563

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Management of Acute Ischemic stroke within the Window period.
2. Etiopathogenesis and Clinical features and management of Multiple Sclerosis.

II. Write notes on:

(10 x 7 = 70)

1. CSF Analysis.
2. Trigeminal autonomic Cephalalgias.
3. Spinal cord at C2 level.
4. Immunopathogenesis of Polymyositis.
5. Approach to Foot Drop.
6. Evoked Potentials in Neurology.
7. Cauda equina syndrome.
8. Neuroimaging of Normal Pressure hydrocephalus.
9. Moya Moya disease.
10. Conduction Block.
