

**APRIL - 2001**

**[KD 033]**

**Sub. Code : 1563**

**M.Ch. DEGREE EXAMINATION**

**(Higher Specialities)**

**Branch II — Neurosurgery**

**(New and Revised Regulations for 5 Years Course)**

**Part II**

**Paper III — CLINICAL NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

1. Discuss clinical features, laboratory diagnosis, complications and management of tuberculous meningitis. (25)
2. Discuss clinical manifestations and various differential diagnosis of atlanto-axial dislocation. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Transcranial Doppler
  - (b) Egas Moniz
  - (c) Post-traumatic epilepsy
  - (d) Brain death
  - (e) Functional electrical stimulation.

**NOVEMBER - 2001**

**[KE 033]**

**Sub. Code : 1563**

**M.Ch. DEGREE EXAMINATION**

**(Higher Specialities)**

**(New and Revised Regulations for 5 Years Course)**

**Branch II — Neurosurgery**

**Part II**

**Paper III — CLINICAL NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

1. Discuss your clinical and investigative approach to a patient with intractable approach to exclude surgically remediable epilepsy. (25)
  2. Discuss your clinical and investigative approach to a young 30 year patient with intracerebral hematoma to exclude surgically treatable disorder. (25)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Cauda equina syndrome
    - (b) Convergence retraction nystagmus
    - (c) Nominal aphasia
    - (d) Cortical sensory phenomena
    - (e) Flexor spasms.
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**MARCH - 2002**

**[KG 033]**

**Sub. Code : 1563**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(New and Revised Regulations for 5 years course)**

**Branch II — Neurosurgery**

**Part II**

**Paper III — CLINICAL NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Write an essay on parietal lobe syndrome. (25)
2. Discuss the clinical features and diagnosis of cerebral venous sinus thrombosis. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Visual evoked potential.
  - (b) Evaluation in epilepsy surgery.
  - (c) Role of surgery in ischaemic stroke.
  - (d) Medical therapy of brain tumours.
  - (e) Role of EEG in brain surgery.

**SEPTEMBER - 2002**

**[KH 033]**

**Sub. Code : 1563**

**M.CH. DEGREE EXAMINATION.**

**(Higher Specialities)**

**Branch II — Neurosurgery**

**(New and Revised Regulations for 5 years course)**

**Part II**

**Paper III — CLINICAL NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Describe clinical features and discuss controversies in the management of hypertensive intracerebral haemorrhage. (25)
2. Describe briefly steps in bedside evaluation of a comatose patient. Discuss merits and demerits of Glasgow coma scale. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Management of spasticity
  - (b) Apraxia
  - (c) Syndrome of inappropriate anti-diuretic hormone secretion (SIADH)
  - (d) Magnetic resonance angiography (MRA)
  - (e) Carpal tunnel syndrome

**APRIL - 2003**

**[KI 033]**

**Sub. Code : 1563**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(New and Revised Regulations for 5 years course)**

**Branch II — Neurosurgery**

**Part II**

**Paper III — CLINICAL NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Write an essay on frontal lobe syndrome. (25)
  2. Discuss the clinical features of cryptococcal meningitis. (25)
  3. Write short notes on : (5 × 10 = 50)
    - (a) BAER
    - (b) Epilepsy surgery in India
    - (c) Deep brain stimulation
    - (d) L-dopa
    - (e) Newer anti convulsants.
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OCTOBER - 2003

[KJ 033]

Sub. Code : 1563

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(New and Revised Regulations for 5 Year Course)**

**Branch II — Neuro Surgery**

**Part II**

**Paper III — CLINICAL NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. must be answered SEPARATELY in the answer  
sheet provided as per the instructions on the first page  
of M.C.Q. Booklet.**

**Answer ALL questions.**

**Draw suitable diagram wherever necessary.**

**Essay Questions :**

**(2 × 15 = 30)**

**1. Write an essay on International classification of  
epilepsies and presurgical evaluation of intractable  
epilepsy.**

**2. Write an essay on differential diagnosis of  
movement disorders in young adult and presurgical  
evaluation of Parkinsonism.**

**Short notes :**

**(10 × 5 = 50)**

**3. Non puerperal cerebral venous thrombosis.**

**4. Magnetic Resonance Spectroscopy (MRS).**

**5. Tuberous sclerosis.**

**6. Neuro myelitis optica.**

**7. Differential diagnosis of acute flaccid paralysis in  
a child of 8 years.**

**8. Role of Intra operative recording of SEP.**

**9. Brain death.**

**10. Herpes Simplex encephalitis.**

**11. Laboratory diagnosis of Tuberculous Meningitis.**

**12. Tayssach's disease.**

APRIL - 2004

[KK 033]

Sub. Code : 1563

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(New and Revised Regulations for 5 years course)**

**Branch II — Neuro Surgery**

**Part II**

**Paper III — CLINICAL NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Answer ALL questions.**

**A. Essay :**

**(2 × 15 = 30)**

**(1) Discuss stroke in children and how ischaemic stroke is managed?**

**(2) Discuss medical problems (non-compressive) mimicking spinal cord compression.**

**B. Write Short notes on :**

**(10 × 5 = 50)**

**(1) Sleep apnoea syndrome (OSAS)**

**(2) Sacral sparing**

**(3) Normal Pressure Hydrocephalus (NPH)**

**(4) Hydrancephalus**

**(5) Mute state**

**(6) Charcot's joints**

**(7) Management of Myasthenic crisis**

**(8) Petit Mal**

**(9) Utility of EEG in neurological practice**

**(10) Anti viral agents.**

**AUGUST - 2004**

**[KL 033]**

**Sub. Code : 1563**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(New and Revised Regulations for 5 Year Course)**

**Branch II — Neuro Surgery**

**Part II**

**Paper III — CLINICAL NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Answer ALL questions.**

**Draw suitable diagrams wherever necessary.**

**I. Essay Questions : (2 × 15 = 30)**

**(1) Discuss the pathology, pathophysiology of parkinsonism and its surgical indications and contra indications.**

**(2) Classify dementia. Discuss etiology, clinical features and management of Normal Pressure Hydrocephalus (NPH).**

**II. Write short notes on :**

**(10 × 5 = 50)**

- (a) EEG pattern in sleep**
  - (b) Evoked potentials**
  - (c) SPECT study**
  - (d) Progressive supra nuclear ophthalmoplegia**
  - (e) Aphasia**
  - (f) Constructional apraxia**
  - (g) Neuropraxia**
  - (h) Cortical blindness**
  - (i) Torulosis**
  - (j) Erb's palsy.**
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**FEBRUARY - 2005**

**[KM 033]**

**Sub. Code : 1563**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(New and Revised Regulations for 5 years course)**

**Branch II — Neuro Surgery**

**Part II**

**Paper III — CLINICAL NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Answer ALL questions.**

**I. Essay : (2 × 15 = 30)**

**(1) Discuss the differential diagnosis and  
prognostic implications of coma.**

**(2) Write essay on Role of Neuroimaging in  
neurological diagnosis with its limitations.**

**II. Write notes : (10 × 5 = 50)**

**(a) Benign intracranial Hypertension**

**(b) Narcolepsy**

**(c) Neurocardiogenic syncope**

**(d) Transient global amnesia**

**(e) Kluver Bncy syndrome**

**(f) Hyperhydrosis**

**(g) Diabetes insipidus**

**(h) Encephalitis of bacterial infections**

**(i) Prion diseases**

**(j) Tumor markers in Neuro oncology.**

**FEBRUARY - 2006**

**[KO 033]**

**Sub. Code : 1563**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(New and Revised Regulations for 5 years course)**

**Branch II — Neuro Surgery**

**Part II**

**Paper III — CLINICAL NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Answer ALL questions.**

**I Essay questions : (2 × 15 = 30)**

**(1) Discuss in detail various spinal cord tracts  
and discuss anterior horn cell diseases.**

**(2) Discuss the role of MRI in dementia.**

**II. Short notes : (10 × 5 = 50)**

- (a) Neuropeptide.**
  - (b) Herpes encephalitis.**
  - (c) SSPE.**
  - (d) Foster Kennedy syndrome.**
  - (e) Locked in syndrome.**
  - (f) Central Pontine Myelinolysis.**
  - (g) Pheochromocytoma.**
  - (h) Thoracic outlet syndrome.**
  - (i) Pineal gland.**
  - (j) Luckenschädel.**
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**AUGUST - 2006**

**[KP 033]**

**Sub. Code : 1563**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(New and Revised Regulations for 5 years course)**

**Branch II — Neuro Surgery**

**Part II**

**Paper III — CLINICAL NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**I. Essay :**

1. Discuss the Aetiopathogenesis and management of spontaneous intra cerebral Haemorrhage. (20)
2. Discuss the localization of cranio-vertebral junction lesion. (15)
3. Describe the clinical features, diagnosis and management of cerebral malaria. (15)

**II. Short notes :**

**(6 × 5 = 30)**

- (a) Short lasting head aches
  - (b) Critical illness Neuropathy
  - (c) Misnomer in Neurosurgery
  - (d) Mini mental battery in clinical practice
  - (e) Treatment of Tuberculous meningitis in HIV positive patients
  - (f) Episodic cerebellar Ataxias.
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**FEBRUARY - 2007**

**[KQ 033]**

**Sub. Code : 1563**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(New and Revised Regulations for 5 years course)**

**Branch II — Neuro Surgery**

**Part II**

**Paper III — CLINICAL NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**I. Long Essay :**

1. Describe the clinical features, diagnosis and management of neurological complications of HIV. (20)
2. Outline the investigative approach to an acute stroke occurring in a 28 year old person. (15)
3. Discuss the non compressive myelopathies. (15)

**II. Write short notes :**

**(6 × 5 = 30)**

1. Protease inhibitors.
  2. Restless leg syndrome.
  3. Newer antiepileptic drugs.
  4. Entrapment Neuropathies.
  5. Neuroleptic malignant syndrome.
  6. Cognitive rehabilitation.
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August-2007

**[KR 033]**

**Sub. Code : 1563**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(New and Revised Regulations for 5 years course)**

**Branch II — Neuro Surgery**

**Part II**

**Paper III — CLINICAL NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Answer ALL questions.**

**1. Essay Questions:**

(a) Describe pathophysiology, clinical features, diagnosis and management of upper limb nerve entrapments. (20)

(b) Discuss the differential diagnosis and evaluation of reversible dementias. (15)

(c) Discuss the etiology, clinical features, evaluation and management of idiopathic intracranial hypertension. (15)

**2. Short notes :**

**(6 × 5 = 30)**

(a) Eaton Lambert Syndrome.

(b) Herpes encephalitis.

(c) Dystonia.

(d) Periodic paralysis.

(e) Selective Serotonin Reuptake Inhibitors (SSRI).

(f) Syndrome of Inappropriate ADH secretion (SIADH).

**[KS 033]**

**Sub. Code : 1563**

**M.Ch. DEGREE EXAMINATION.**

(Higher Specialities)

(New and Revised Regulations for 5 years course)

## Branch II — Neuro Surgery

## Part II

### Paper III — CLINICAL NEUROLOGY

**Q.P. Code : 181563**

**Time : Three hours**                      **Maximum : 100 marks**

**Answer ALL questions.**

I. Essay : (2 × 20 = 40)

1. Describe the clinical features, diagnosis and management plan in a patient with suspected peripheral neuropathy.

2. Discuss the investigative approach and secondary prophylaxis of ischemic stroke.

II. Short notes : (10 × 6 = 60)

(1) Neuralgic amyotrophy.

(2) **Gabapentin.**

- (3) Locked in syndrome.
- (4) Neuromyelitis optica.
- (5) Bromocriptine.
- (6) Reversible dementias.
- (7) Spasmodic torticollis.
- (8) Periodic paralysis.
- (9) Progressive bulbar palsy.
- (10) Cluster headache.

**August 2009**

**[KV 033]**

**Sub. Code: 1563**

**MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATIONS**

**(Super Specialities)**

**(New and Revised Regulations for 5 years course)**

**Branch II – Neuro Surgery**

**PART - II**

**Paper III – CLINICAL NEUROLOGY**

*Q.P. Code: 181563*

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL questions**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**(2 x 20 = 40)**

1. Describe the risk factors, clinical features, investigations and treatment of ischemic strokes.
2. Describe the clinical features and treatment of Parkinsonism.

**II. Write short notes on:**

**(10 x 6 = 60)**

1. Duchene muscular dystrophy.
2. Gullian Barre syndrome.
3. Essential tremor.
4. Pontine hemorrhage.
5. Optic neuritis.
6. TB Meningitis.
7. Treatment of Neurocysticercosis.
8. Creutzfeldt Jacob disease.
9. Motor Neuron disease.
10. Migraine.

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August 2011

[KZ 033]

Sub. Code: 1563

**MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATION  
(SUPER SPECIALITIES)**

**BRANCH II – NEURO SURGERY**

**CLINICAL NEUROLOGY**

***Q.P. Code: 181563***

**Time : 3 hours**

**Maximum : 100 marks**

**(180 Min)**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

**Pages Time Marks  
(Max.) (Max.) (Max.)**

1. Discuss the treatable causes of dementia and their differential diagnosis.

11 35 15

2. Discuss the diagnosis and management of multiple sclerosis.

11 35 15

**II. Write notes on :**

1. Non compressive myelopathy.

4 10 7

2. Posterior reversible leucoencephalopathy.

4 10 7

3. Neuro-ophthalmic manifestations of occipital lobe lesions.

4 10 7

4. Release reflexes.

4 10 7

5. Transcortical aphasia.

4 10 7

6. Huntington's disease.

4 10 7

7. Bromocriptine.

4 10 7

8. Migraine prophylaxis.

4 10 7

9. Benign rolandic epilepsy.

4 10 7

10. Medical treatment of spasticity.

4 10 7

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[LB 032]

AUGUST 2012

Sub. Code: 1563

**M.Ch – NEUROSURGERY  
FIVE YEARS COURSE-PART II  
PAPER – III CLINICAL NEUROLOGY  
Q.P. Code: 181563**

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on:**

**Pages Time Marks  
(Max.)(Max.)(Max.)**

- |                                                              |    |    |    |
|--------------------------------------------------------------|----|----|----|
| 1. Cerebral palsy and management.                            | 16 | 35 | 15 |
| 2. Discuss language and speech disorders and its evaluation. | 16 | 35 | 15 |

**II. Write notes on:**

- |                                               |   |    |   |
|-----------------------------------------------|---|----|---|
| 1. Complex Partial Seizure.                   | 4 | 10 | 7 |
| 2. Frontal lobe release syndrome.             | 4 | 10 | 7 |
| 3. Dementia – Classification and Evaluation.  | 4 | 10 | 7 |
| 4. Syncope.                                   | 4 | 10 | 7 |
| 5. Vertigo – Classification and Evaluation.   | 4 | 10 | 7 |
| 6. SAH – Classification and Evaluation.       | 4 | 10 | 7 |
| 7. Multiple Sclerosis.                        | 4 | 10 | 7 |
| 8. Post Traumatic Amnesia and its importance. | 4 | 10 | 7 |
| 9. Cushing response.                          | 4 | 10 | 7 |
| 10. Pseudopapilloedema.                       | 4 | 10 | 7 |

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[LC 033]

FEBRUARY 2013

Sub.Code:1563

**M.Ch-NEUROSURGERY**

**THREE YEARS COURSE – PART –I**

**Paper – III CLINICAL NEUROLOGY**

**Q.P. Code:181563**

**Time: 3 hours  
(180 Min)**

**Maximum :100 marks**

**I.Elaborate on:**

**(2x15marks=30marks)**

1. The Clinical approach and Investigations for a patient with symptoms of bladder dysfunction.
2. The Clinical approach and Investigation in an adult patient with a spontaneous intracranial haemorrhage.

**II. Write notes on:**

**(10x7marks=70marks)**

1. Critical illness Polyneuropathy
2. Hypokalemic Periodic Paralysis
3. Myasthenia Gravis
4. Becker- Type Muscular dystrophy
5. Muscle Tone
6. Hemifacial Spasm
7. Trigeminal Neuralgia
8. Carpal Tunnel Syndrome
9. Diabetic Neuropathy
10. Syringomyelia

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**(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.

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**(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.

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[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.

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[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.

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(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.

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**(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.

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(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.

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(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 Resource Spectroscopy (MRS).
7. Spino Cerebellar degeneration.
8. Aphasias.
9. Cerebral dominance.
10. Evoked potentials.

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(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.

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**(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.

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**(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.

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**(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.

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(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

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**(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.

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**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.

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**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.

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**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.

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**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.

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**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.

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