

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 epilepsy 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.C.H. 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.
-

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. Tuberos sclerosia.

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. Taysach'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 Theory : 80 marks
forty minutes**

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) Luckenschaidel.
-

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.**
-

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.

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.

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
(180 Min)**

Maximum : 100 marks

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 aphasias. | 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 |

[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 |

(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.
