

April-2001

[KD 003]

Sub. Code : 1103

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch I — Neurology

(Revised Regulations)

Paper III — RECENT ADVANCES IN NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the pathogenesis of neuronal injury in ischaemic stroke and the role of neuroprotective agents. (25)
2. Discuss the recent advances in the management of multiple sclerosis. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Genetics of epilepsy.
 - (b) Hereditary Inclusion body myositis.
 - (c) Topiramate.
 - (d) Serotonin syndrome.
 - (e) Diffusion weighted MRI.

November-2001

[KE 003]

Sub. Code : 1103

D.M. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper III — RECENT ADVANCES IN NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions

- 1 Discuss the pathogenesis of Parkinsonism (25)
 - 2 Discuss the genetics of Dementia. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Vitamin – E in Neurology
 - (b) Mitochondrial myopathy Encephalopathy
Lactic acidosis and Stroke like episodes
 - (c) HIV Encephalopathy
 - (d) Ion Channels in Periodic paralysis
 - (e) Apoptosis.
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March-2002

[KG 003]

Sub. Code : 1103

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper III — RECENT ADVANCES IN NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the recent advances in the management of Acute Ischaemic Stroke. (25)
2. Classify Autonomic nervous system disorder. Describe the tests for assessing Autonomic failure and management of Orthostatic Hypotension. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Peroxisomal disorders
 - (b) Inclusion Body Myositis
 - (c) Lyme Disease
 - (d) Chronic Ataxic Sensory Neuropathy
 - (e) Tic.

September-2002

[KH 003]

Sub. Code : 1103

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper III — RECENT ADVANCES IN NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. What are Prion diseases? Discuss the pathophysiology, clinical features and diagnosis of Jacob Creutzfeld disease. (25)
2. Discuss the pathogenesis and management of myasthenia gravis. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Machado-Joseph disease
 - (b) Slow channel syndrome
 - (c) Functional MRI
 - (d) Sensory ganglioneuropathies
 - (e) Riluzole.

April-2003

[KI 003]

Sub. Code : 1103

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper III — RECENT ADVANCES IN NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Write an essay on non metastatic manifestation of Malignancy. (25)
 2. Discuss Immuno-modulation in the management of GB syndrome. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Homocysteine in stroke
 - (b) Anti-phospholipid antibodies
 - (c) Mad cow disease
 - (d) Glasgow coma scale
 - (e) Trans oesophageal echo cardiography.
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February-2005

[KM 003]

Sub. Code : 1103

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper III — RECENT ADVANCES IN 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.

I. Essay questions : (2 × 15 = 30)

(1) Critically evaluate the different modalities of therapy available for Parkinson's Disease.

(2) Describe the clinico-genetic classification of the Ataxic Syndromes.

II. Short notes : (10 × 5 = 50)

(a) Functional MRI of the brain.

(b) Laboratory diagnosis for Tuberculous Meningitis.

(c) Vagus nerve stimulation.

(d) Animal models for epilepsy.

(e) Syndrome of excessive daytime somnolence.

(f) Possible use of stem cells for neurological diseases.

(g) ICP (Intra-Cranial Pressure) monitoring.

(h) Epileptic kinetopsia.

(i) Anti-phospholipid syndrome.

(j) Dementia with Lewy bodies.

[KO 003]

Sub. Code : 1103

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper III — RECENT ADVANCES IN 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 the recent advances in the management of advanced Parkinsons disease.

(2) Discuss the recent concepts in molecular genetics of spinocerebellar ataxias.

II. Short notes : (10 × 5 = 50)

- (a) Newer drugs for myoclonus
- (b) Subthalamic nucleus stimulation
- (c) Recent concepts in pathogenesis of neuroleptic malignant syndrome
- (d) Botulinum toxin
- (e) Serotonin syndrome
- (f) Treatment of lethal catatonia
- (g) Recent concepts in management of PANDAS (pediatric auto-immune neuropsychiatric disorders associated with streptococcus)
- (h) Japanese encephalitis-newer vaccines
- (i) Role of PCR in diagnosis of Varicella Zoster Virus
- (j) PET studies in cluster headache.

[KP 003]

Sub. Code : 1103

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper III — RECENT ADVANCES IN 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 :

(1) Discuss the Channelopathies and Episodic and Electrical disorders of nervous system. (20)

(2) Disease Modifying Therapies for Relapsing Remitting forms of multiple sclerosis. (15)

(3) Discuss the current status of Acute Ischemic Stroke management. (15)

II. Short notes :

(6 × 5 = 30)

(a) Management of CNS Toxoplasmosis.

(b) Recombinant Activated Factor VII and Intracerebral hemorrhage.

(c) Calpain-Associated neurological disorders.

(d) Stem cell therapy in stroke.

(e) Atomoxetine.

(f) Pregabalin.

[KQ 003]

Sub. Code : 1103

II. Short notes : (6 × 5 = 30)

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper III — RECENT ADVANCES IN 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 :

1. Discuss management of intractable epilepsy? (20)
2. Discuss the current trends in management of advanced parkinsons disease? (15)
3. Discuss newer concepts in pathophysiology and management of Alzheimers disease? (15)

August-2007

[KR 003]

Sub. Code : 1103

II. Short notes:

(6 × 5 = 30)

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper III — RECENT ADVANCES IN 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:

1. Discuss the pathophysiology and recent advances in the management of migraines. (20)

2. Discuss the diagnosis, pathophysiology and treatment of Primary periodic paralysis. (15)

3. Discuss the recent concepts in molecular genetics of spinocerebellar ataxias. (15)

(a) Prions

(b) Camptocormia

(c) Congenital myaesthetic syndromes

(d) Radiation toxicity of the central nervous system

(e) Zonisamide

(f) Iatrogenic Cruetzfeld-Jacob disease.

August 2008

[KT 003]

Sub. Code: 1103

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch I –Neurology

(Revised Regulations)

Paper III– RECENT ADVANCES IN NEUROLOGY

Q.P. Code: 161103

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

2 x 20 = 40

1. Discuss the recent concepts in the management of late life dementias.
2. Current trends in the management of aneurysmal subarachnoid haemorrhage.

II. Write short notes on:

10 x 6 = 60

1. Antiphospholipid antibodies.
2. Recently described autosomal dominant spinocerebellar ataxias.
3. Apomorphine.
4. Treatment of acute migraine attacks.
5. Trends in invasive neurology.
6. Indications and assessment for epilepsy surgery.
7. Present trends in the management of status epilepticus.
8. Occupational cramps.
9. Prion diseases.
10. Potentials of stem cell therapy in neurology.

February 2009

[KU 003]

Sub. Code: 1103

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch I –Neurology

(Revised Regulations)

Paper III– RECENT ADVANCES IN NEUROLOGY

Q.P. Code: 161103

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

2 x 20 = 40

1. Discuss the recent concepts in the management of dementia in a patient with HIV infection.
2. Discuss the electrophysiological evaluation of brachial plexopathy.

II. Write short notes on:

10 x 6 = 60

1. Antithyroid antibodies.
2. Recently described idiopathic epilepsy syndromes.
3. Lacosamide.
4. Treatment of headache.
5. Surgery for spasticity.
6. Indications and assessment for carotid angioplasty.
7. Present trends in the management of insomnia.
8. REM sleep disorders.
9. Malingering.
10. Neuromedical problems encountered during rehabilitation.

August 2009

[KV 003]

Sub. Code: 1103

D.M. DEGREE EXAMINATION

(Super Specialities)

Branch I –Neurology

(Revised Regulations)

(Candidates admitted from 2006-2007 onwards)

Paper IV– RECENT ADVANCES IN NEUROLOGY

Q.P. Code: 161103

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

2 x 20 = 40

1. Discuss the role of stem cell therapy in neurology.
2. Recent advances in the management of Parkinson's disease.

II. Write short notes on:

10 x 6 = 60

1. Restless leg syndrome.
2. Cluster headache.
3. Carotid endarterectomy.
4. IVIG in neurological disorders.
5. Non-convulsive status epilepticus.
6. New variant CJD.
7. Narcolepsy.
8. Megalencephalic leukodystrophy.
9. Paroxysmal dyskinesias.
10. Channelopathies.

February 2010

[KW 003]

Sub. Code: 1414

D.M. DEGREE EXAMINATION

(Super Specialities)

Branch I –Neurology

(Revised Regulations)

(2006-07 Regulations)

Paper III/IV– RECENT ADVANCES IN NEUROLOGY

**Common to (Candidates admitted up to 2005-2006 and Candidates
admitted from 2006-2007 onwards)**

Q.P. Code: 161414

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

2 x 20 = 40

1. Discuss management strategy for a patient within first six hours of stroke arriving in emergency room.
2. Discuss various mitochondrial disorders affecting nervous system.

II. Write short notes on:

10 x 6 = 60

1. Pharmacogenomics.
2. Intrathecal baclofen pump.
3. Anti oxidants in neurology.
4. Modafinil.
5. Therapeutic transcranial magnetic stimulation.
6. Minimal cognitive impairment.
7. Inclusion body myositis.
8. Cerebral amyloid angiopathy.
9. Hashimoto's encephalopathy.
10. Non-motor symptoms in Parkinsonism.
