

March-1990

226

D.M. DEGREE EXAMINATION, MARCH 1990.

(Higher Specialities)

Branch I — Neurology.

SPECIAL NEUROLOGICAL INVESTIGATIONS  
INCLUDING RECENT ADVANCES

Time : Three hours.

Answer ALL the questions.

1. Discuss the technique, applications and pitfalls of brainstem auditory evoked potentials.
  2. How would you investigate a patient with myasthenia gravis? Discuss the usefulness of each investigation.
  3. Write short notes on :
    - (a) F wave
    - (b) Event related potentials.
    - (c) PET.
    - (d) EEG changes in normal sleep.
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**D.M. DEGREE EXAMINATION, SEPTEMBER 1990.****(Higher Specialities)****Branch I — Neurology****Paper III — SPECIAL NEUROLOGICAL INVESTIGATIONS  
INCLUDING RECENT ADVANCES****Time : Three hours.**

1. Critically evaluate the role of evoked potentials in the practice of clinical neurology.
  2. Describe the EEG of normal sleep and the EMG and ocular movements of different stages of sleep.
  3. Write short notes on :
    - (a) Radiological investigations of subarachnoid haemorrhage.
    - (b) Advantages of MRI over CT scan.
    - (c) Decremental response on repetitive nerve stimulation.
    - (d) Central EMG.
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D.M. DEGREE EXAMINATION, MARCH 1991.

(Higher Specialities)

Branch I — Neurology

Paper III — SPECIAL NEUROLOGICAL INVESTIGATIONS  
INCLUDING RECENT ADVANCES

Time : Three hours.

Answer ALL the questions.

1. Discuss the recent advances in the diagnosis of Duchenne muscular dystrophy.
  2. Discuss the principles and clinical utility of brain mapping.
  3. Write short notes on :
    - (a) Electronystagmography.
    - (b) Value of single fibre EMG in clinical practice.
    - (c) Electrophysiological tests in spinal root dysfunction.
    - (d) Value of positron emission tomography in clinical neurology.
    - (e) Somato sensory evoked potentials.
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September-1991

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**D.M. DEGREE EXAMINATION, SEPTEMBER 1991.**

**Branch I — Neurology**

**Paper III — SPECIAL NEUROLOGICAL INVESTIGATIONS  
INCLUDING RECENT ADVANCES**

**Time : Three hours**

**Answer ALL questions.**

1. Discuss the aetiopathogenesis of repetitive discharges in EEG. Describe the classification and clinical associations of these discharges.
  2. Critically evaluate the contributions of evoked potential studies in medical neurological disorders.
  3. Write short notes on :
    - (a) MRI spectroscopy.
    - (b) Carotid Doppler studies.
    - (c) Hyperventilation in EEG.
    - (d) REM sleep in EEG.
    - (e) Creatinine kinase.
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D.M. DEGREE EXAMINATION, MARCH 1992.

(Old/New Regulation)

Branch I — Neurology

Paper III — SPECIAL NEUROLOGICAL INVESTIGATIONS  
INCLUDING RECENT ADVANCES

Time : Three hours.

Maximum : 100 marks.

Answer ALL the questions.

1. Describe neuroelectrophysiological investigations in parkinsonism. (25 marks)
  2. Discuss the role of immunological investigations in clinical neurology. (25 marks)
  3. Write short notes on :
    - (a) Macro. EMG.
    - (b) Value of intracranial pressure monitoring.
    - (c) Magnetoencephalography.
    - (d) Digital subtraction angiography in clinical neurology.
    - (e) Telemetric EEG. (5 × 10 = 50 marks)
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D.M. DEGREE EXAMINATION, SEPTEMBER 1992.

Branch II — Cardiology

Paper III — SPECIAL CARDIOLOGICAL INVESTIGATIONS  
AND RECENT ADVANCES

Time : Three hours.

Maximum : 100 marks.

1. Discuss Electrophysiological concepts of anti-tachycardia pacing and its clinical application.  
(25 marks)
  2. Discuss the aetiopathogenesis and lesions of Atherosclerosis.  
(25 marks)
  3. Write short notes on:
    - (a) Myocardial Bridges.
    - (b) Endomyocardial Biopsy.
    - (c) Radio Nucleide ventriculogram in coronary artery disease.
    - (d) Thyrotoxic heart disease.
    - (e) Double Aortic Arch.

(5 × 10 = 50 marks)
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September-1992

D. M. DEGREE EXAMINATION, SEPTEMBER 1992.

(Higher Specialities)

Branch I — Neurology

Paper III — SPECIAL NEUROLOGICAL INVESTIGATIONS  
INCLUDING RECENT ADVANCES

*Time : Three hours.*

*Maximum : 100 marks.*

*Answer ALL the questions.*

1. Evaluate critically the various electro-diagnostic methods available to assess brain death. (25 marks)
  2. Discuss the value of recording the Blink reflex in neurological diseases. (25 marks)
  3. Write short notes on :
    - (a) Polysomnography
    - (b) Event-related (Endogenous) potentials
    - (c) Positron emission tomography (PET)
    - (d) Drug therapy of spasticity
    - (e) Plasmapheresis. (5 × 10 = 50 marks)
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**D.M. DEGREE EXAMINATION MARCH, 1993****Branch I - NEUROLOGY****(OLD/NEW REGULATIONS)****SPECIAL NEUROLOGICAL INVESTIGATIONS INCLUDING  
RECENT ADVANCES****Time: Three hours****Maximum: 100 Marks**

Discuss your approach of electrophysiological evaluation of acquired demyelinating neuropathy.

**(25)**

Discuss the usefulness of somatosensory evoked potential study in the evaluation of lower motor neuron diseases.

**(25)**

Write short notes on:

1. Periodic lateralized epileptiform discharges (PLRDs)
2. Ticlopidine
3. Nerve growth factor
4. Sympathetic skin response
5. MR imaging in epilepsy

**(5x10=50)**  

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November-1993

[ P R 3 0 3 ]

**D.M. DEGREE EXAMINATION**

(Higher Specialities)

Branch I — Neurology

(Old/New Regulations)

**Paper III — SPECIAL NEUROLOGICAL INVESTIGATIONS  
INCLUDING RECENT ADVANCES**

**Time :** Three hours.

**Maximum :** 100 marks.

Answer ALL questions.

1. Evaluate critically various tests available to assess neural deafness. (25)
  2. Evaluate critically the usefulness of EEG in neurological disorders at the present time. (25)
  3. Write short notes on :
    - (a) SPECT.
    - (b) M. R. Angiography.
    - (c) Ticlopidine.
    - (d) Angioplasty.
    - (e) Botulinum Toxin. (5×10=50)
-

[ND 103]

November-1994

**D.M. DEGREE EXAMINATION**

(Higher Specialities)

Branch I — Neurology

(Old/New Regulations)

**Paper III — SPECIAL NEUROLOGICAL INVESTIGATIONS  
INCLUDING RECENT ADVANCES**

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

1. Write in detail the neurophysiological investigations in myasthenia gravis. (25)
2. What is telemetric EEG? Discuss its role in the diagnosis of epileptic disorders. (25)
3. Write short notes on :
  - (a) Magneto encephalography.
  - (b) SPECT in migraine.
  - (c) Transcranial Doppler.
  - (d) Echocardiography in neurological disorders.
  - (e) Neonatal EEG.

(5 × 10 = 50)

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April-1995

SB 103]

D.M. DEGREE EXAMINATION.

(Higher Specialities)

Branch I – Neurology

(Old/New Regulations)

Paper III – SPECIAL NEUROLOGICAL INVESTIGATIONS  
INCLUDING RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Discuss various non-invasive tests in the diagnosis of extracranial carotid artery diseases. (25)

Describe investigative approach to a case of positional vertigo. (25)

Write short notes on :

- (a) 10-20 system of electrode placement in E.E.G.
- (b) M.R.I. Angio.
- (c) E.E.G. changes associated with acute neurological disorders.
- (d) Collision technique in nerve stimulation studies.
- (e) Saiegiline Hydrochloride in Parkinsonism.

(5 × 10 = 50)

**D.M. DEGREE EXAMINATION**

*(Higher Specialities)*

**Branch I - NEUROLOGY**

*(Old/New Regulations)*

**Paper III - SPECIAL NEUROLOGICAL  
INVESTIGATIONS INCLUDING  
RECENT ADVANCES**

**Time: Three hours**

**Max. marks:100**

**Answer All Questions**

1. Critically assess the value of M.R.I. in various neurological disorders. (25)
2. Discuss the procedure and role of Histochemistry in the diagnosis of neuromuscular disorders. (25)
3. Write short notes on:
  - (a) Biofeed back in headache
  - (b) Plasmapheresis
  - (c) Diagnosis of sleep disorders
  - (d) Anti-epileptic drug monitoring
  - (e) Critical care neuropathy

**(5x10=50)**

**D.M. DEGREE EXAMINATION****(Higher Specialities)****Branch I - Neurology****(Old/New Regulations)****Paper III - SPECIAL NEUROLOGICAL INVESTIGATIONS  
INCLUDING RECENT ADVANCES****Time: Three hours****Max. marks:100****Answer All Questions**

1. What are the indications and criteria for selection of cases for surgery in chronic refractory epilepsy? Discuss the pre-operative assessment and types of surgery performed in such a case. (25)
2. Discuss the role of IV Immunoglobulins in the treatment of various neurological disorders. (25)
3. Write short notes on:
  - (a) Sumatriptan
  - (b) Intracranial pressure monitoring
  - (c) REM sleep
  - (d) Blink reflex
  - (e) Sympathetic skin response. (5x10=50)

April-1996

AK 6

**D.M. DEGREE EXAMINATIONS**

*(Higher Specialities)*

*Branch I - Neurology*

*(Revised Regulations)*

**Paper III - RECENT ADVANCES IN NEUROLOGY**

**Time: Three hours**

**Max. marks:100**

**Answer All Questions**

**1. Write an essay on psychogenic movement disorders.**

**(25)**

**2. What are the recent advances in the management of ischemic stroke?**

**(25)**

**3. Write short notes on:**

**(a) Newer antiepileptic drugs**

**(b) IHS diagnostic criteria of migraine without**

**Aura and cluster headache**

**(c) Idiopathic intracranial hypertension**

**(d) Gene therapy in neurological disorders**

**(e) Medical complications of head injury.**

**(5x10=50)**

April-1997

MP 03

D.M. DEGREE EXAMINATION  
(Higher Specialities)  
Branch I - Neurology  
(Revised Regulations)

Paper III - RECENT ADVANCES IN NEUROLOGY

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the investigations in a 45 year old male patient who suddenly developed intense headache and seizures followed by loss of consciousness. (25)
2. Discuss the relevance of evoked potential studies in the present day practice of neurosciences. (25)
3. Write briefly on:
  - (a) P Wave
  - (b) Periodic complexes
  - (c) Kindling phenomenon
  - (d) Telemetric EEG recording
  - (e) Macro EMG.

(5x10=50)

October-1997

MS 03

DM Neurology Examination  
(Higher Speciality)  
Branch I. Neurology

Paper III- Recent Advances in Neurology

Time: Three Hours

Max Marks :

Answer all questions

- 1) Discuss the role of magnetic resonance studies in neurological disorders. Briefly mention the limits of these studies. (25)
- 2) Discuss the recent advances in the investigation and management of strokes. (2)
- 3) Write briefly on
  - a) Preoperative studies for epilepsy surgery
  - b) Human diploid cell antirabic vaccine
  - c) Transcranial doppler studies
  - d) Neurology of hyponatremia
  - e) Intracranial pressure waves (5x10=50)



April-1998

SV 03

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch I - Neurology

(Revised Regulations)

Paper III - RECENT ADVANCES IN NEUROLOGY

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss neuroprotection in Stroke. (25)
2. Discuss the current concepts on the pathophysiology and treatment of migraine (25)
3. Write briefly on:
  - (a) Trinucleotide Repeat disorders
  - (b) Pitfalls in nerve conduction studies
  - (c) Dopamine receptors
  - (d) EEG patterns of doubtful significance
  - (e) Sympathetic skin response. (5x10=50)

October-1998

**[SM 003]**

**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. Describe in detail the management of acute stroke with special emphasis on thrombolytic therapy. (25)
2. Discuss the pathophysiology of spasticity and what modalities have been tried for management of the same. (25)
3. Write short notes : (5 × 10 = 50)
  - (a) M.R. Angio.
  - (b) Magneto-encephalography.
  - (c) Role of PCR in diagnosis of Tuberculous meningitis.
  - (d) Single fibre EMG.
  - (e) Activation procedure in EEG.

October-1999

[KA 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 impact of molecular genetics and clinical Neurology. Add a note on mitochondrial encephalomyopathies. (25)
2. Describe Neurotrophic factors and discuss critically on their application. (25)
3. Write briefly on : (5 × 10 = 50)
  - (a) Functional Neuroimaging
  - (b) Magneto encephalography
  - (c) Sympathetic skin response
  - (d) Congenital Myasthenic Syndrome
  - (e) Transcranial Doppler.

April-2000

**KB [003]**

**Sub. Code : 1103**

**D.M. DEGREE EXAMINATION.**

**Neurology**

**Paper III — RECENT ADVANCES IN NEUROLOGY**

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

**Answer ALL questions.**

1. Discuss the concept of sleep laboratory. How are sleep studies done and evaluated? (25)
2. Discuss pathophysiology of migraine and its treatment. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Alpha synuclein
  - (b) Dystrophinopathies
  - (c) Hypsarrhythmia
  - (d) Lance Adam Syndrome
  - (e) Anticoagulants in the treatment of stroke.

October-2000

[KC 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 various immuno-modulatory treatment modalities and their usefulness in Neurology. (25)
2. Discuss the newer antiepileptic drugs. Critically evaluate their role in the management of epilepsy. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Genetics of Parkinson's disease
  - (b) Functional MRI
  - (c) Sleep laboratory
  - (d) Diagnosis of TBM
  - (e) Motor neuropathy with conduction blocks.