April-2001

[KD 002] **Sub. Code : 1102**

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch I — Neurology

(Revised Regulations)

Paper II — CLINICAL NEUROLOGY — BASIC SCIENCES

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the mechanism of action, clinical usefulness and side effects of newer antiepileptic drugs. (25)

2. Discuss the differential diagnosis of a 50 year old man with history of progressive cerebellar ataxia. (25)

3 Write short notes on : (5 × 10 = 50)

(a) COMT inhibitors.

(b) Multifocal motor neuropathy.

(c) Opsoclonus–myoclonus syndrome.

(d) Sarcoglycanopathies.

(e) Kennedy syndrome.

November-2001

[KE 002] **Sub. Code : 1102**

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper II — CLINICAL NEUROLOGY — BASIC SCIENCES

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the surgical therapy of Epilepsy. (25)

2. Discuss the molecular genetics of ataxias. (25)

3. Write short notes on : (5 × 10 = 50)

   (a) Sodium Valproate

   (b) Clopidogrel

   (c) Treatment of Amyotrophic Lateral Sclerosis

   (d) Sympathetic apraxia

   (e) Lafora body disease.

March-2002

[KG 002] **Sub. Code : 1102**

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper II — CLINICAL NEUROLOGY — BASIC SCIENCES

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Classify the Epileptic Seizures and discuss the basic principles of generation and cessation of seizure activity. (25)

2. Discuss the differential diagnosis of episodic weakness and the Management of Hypokalemic periodic paralysis. (25)

3. Write short notes on : (5 × 10 = 50)

   (a) GABA

   (b) Tetrabenazine

   (c) Protein C/Protein S

   (d) Small fiber Neuropathy

   (e) LHERMITTE's Phenomena.

September-2002

[KH 002] **Sub. Code : 1102**

D.M. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper II — CLINICAL NEUROLOGY — BASIC SCIENCES

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the diagnosis of various idiopathic inflammatory demyelinating diseases of brain and spinal cord and their differential diagnosis. (25)

2. Enumerate the complications that are seen in advanced Parkinson's disease and discuss their management. (25)

3. Write short notes up : (5 × 10 = 50)

   (a) Lennox–Gestaut syndrome

   (b) NMDA antagonists

   (c) Familial fatal insomnia

   (d) Magneto–encephalography

   (e) Management of epilepsy in pregnancy.

April-2003

XI 002] **Sub. Code : 1102**

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper II — CLINICAL NEUROLOGY — BASIC SCIENCES

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the management of status epilepticus. (25)

2. Discuss the classification of spinocerebellar ataxia. (25)

3. Write short notes on : (5 × 10 = 50)

(a) Treatment of sub acute sclerosing pan Encephalitis

(b) Short course treatment of Tuberculosis

(c) Electrophysiology of demyelination

(d) Surgery of Parkinson's disease

(e) Plasmapheresis.

[KK 002] **Sub. Code : 1102**

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper II — CLINICAL NEUROLOGY — BASIC SCIENCES

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 the clinical features, pathophysiology and prognosis of Parkinson plus syndromes. (15)

(2) Discuss the classification, clinical features, treatment and prognosis of striatocapsular hemorrhages. (15)

B. Short notes : (10 × 5 = 50)

(1) Thrombolytic therapy

(2) Botulinum toxins in neurology

(3) Prion disease

(4) Superior orbital fissure syndrome

(5) Pseudotumor cerebri

(6) Critical illness myopathy

(7) Argyll Robertson Pupil

(8) Hyperreflexia

(9) Blink reflex

(10) Myelin basic protein.

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[KM 002] **Sub. Code : 1102**

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper II — CLINICAL NEUROLOGY — BASIC SCIENCES

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 diagnostic approach to a 50 year old male patient who presents with progressive decline in cognition over 6 months.

(2) A 30 year old female patient who has been diagnosed to have Myasthenia Gravis 6 months earlier, presents with cough and fever for 2 days and breathlessness for the past 6 hours. Discuss management.

II. Short notes : (10 × 5 = 50)

(a) Diagnosis of inclusion body myositis.

(b) Minimally conscious state.

(c) Non-convulsive status epilepticus.

(d) Vitamin B_{12} deficiency and neurological disorders.

(e) Treatment of intractable neuropathic pain.

(f) Management of Chronic Inflammatory Demyelinating Polyneuropathy.

(g) Apoptosis in the pathogenesis of neurological diseases.

(h) Heterotopias.

(i) Interferon therapy for multiple sclerosis.

(j) Hyperammonemia.

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[KO 002] **Sub. Code : 1102**

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper II — CLINICAL NEUROLOGY — BASIC SCIENCES

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 differential diagnosis and management of a 40 years old person presenting with acute onset of blurring of vision in the left eye.

(2) Discuss the differential diagnosis and management of 70 years old man presenting with progressive decline in the memory.

II. Short notes : (10 × 5 = 50)

(a) Mollarets meningitis

(b) Opto Kinetic nystagmus

(c) Internuclear ophthalmoplegia

(d) Role of PCR in TB meningitis

(e) PET scan

(f) Marcus Gunn Phenomenon

(g) Urodynamic abnormality in Parkinsonism

(h) Neurological manifestations in porphyria

(i) Bulbo cavernous reflex

(j) Sildenafil citrate.

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[KP 002] **Sub. Code : 1102**

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper II — CLINICAL NEUROLOGY – BASIC SCIENCES

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 diagnostic approach in a 15 year old boy presenting with progressive gait disturbance, scanning speech, head tremor, musculoskeletal deformities and diabetes mellitus. (20)

(2) Discuss the diagnostic approach in a new born floppy infant. (15)

(3) Discuss the mechanisms and clinical evaluation of various types of nystagmus and management. (15)

II. Short notes : (6 × 5 = 30)

(a) α -Synucleinopathies

(b) Kennedy's Disease

(c) Horners Syndrome

(d) Prion Diseases

(e) Carpal Tunnel Syndrome electrophysiological evaluation

(f) CADASIL.

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[KQ 002] **Sub. Code : 1102**

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — Neurology

Paper II — CLINICAL NEUROLOGY–BASIC SCIENCES

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 diagnostic approach in a 65 year-old man presenting with acute confusional state. (20)

2. Discuss the diagnostic approach in neonatal convulsions. (15)

3. Discuss the mechanisms and clinical evaluation of myoclonus and its management. (15)

II. Short notes on : (6 × 5 = 30)

(a) Peroxisomal diseases.

(b) Channelopathies.

(c) Trinucleotide repeats.

(d) Gene knockout models in Neurology.

(e) CSF manometry.

(f) Sources of stem cells for neurotherapeutics.

[KR 002] **Sub. Code : 1102**

D.M. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch I — NEUROLOGY

Paper II — CLINICAL NEUROLOGY — BASIC SCIENCES

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. Elaborate on the major parasitic infestations of the nervous system as seen in India (20)

2. Discuss the differential diagnosis of chorea in the elderly. (15)

3. Discuss the episodic disorders of sleep (15)

II. Short notes : (6 × 5 = 30)

(a) Dangling arm syndrome.

(b) Gerstmann's syndrome.

(c) "Top of the Basilar" syndrome.

(d) HIV related myelopathy.

(e) Drug induced myopathies.

(f) Cocaine abuse.

August 2008

[KT 002] **Sub. Code: 1102**

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch I -Neurology

(Revised Regulations)

Paper II – CLINICAL NEUROLOGY – BASIC SCIENCES

Q.P. Code: 161102

Time: Three hours **Maximum: 100 Marks**

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays: **2 x 20 = 40**

1. Write briefly on the clinical approach to a person presenting with hand muscle wasting and strategies to evaluate it.
2. Discuss 'Stroke in children'.

II. Write short notes on: **10 x 6 = 60**

1. Rasmussen Syndrome.
2. Ketogenic diet.
3. Reflex seizures and epilepsy.
4. Cardiac complications of dopamine agonists.
5. Management of myaesthenic crisis.
6. Stuttering and Stammering.
7. Attention deficit – hyperkinetic disorder.
8. Intracranial Hypotension.
9. Episodic ataxias.
10. Lamotrigine.

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February 2009

[KU 002] **Sub. Code: 1102**

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch I -Neurology

(Revised Regulations)

Paper II – CLINICAL NEUROLOGY – BASIC SCIENCES

Q.P. Code: 161102

Time: Three hours **Maximum: 100 Marks**

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays: **2 x 20 = 40**

1. Write briefly on the clinical approach to a person presenting with vertigo and the strategies to manage it.
2. Discuss 'Genetic counseling in epilepsy'.

II. Write short notes on: **10 x 6 = 60**

1. Stereotypies.
2. Mitochondrial inheritance.
3. Uremic Neuropathy and myopathy.
4. Life threatening side-effects of tricyclic antidepressants.
5. Painful peripheral neuropathy.
6. Visual agnosia.
7. Rett's syndrome.
8. Subarachnoid hemorrhage.
9. Limbic encephalitis.
10. Nociception.

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August 2009

[KV 002] **Sub. Code: 1102**

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch I -Neurology

(Revised Regulations)

Paper II – CLINICAL NEUROLOGY – BASIC SCIENCES

Q.P. Code: 161102

Time: Three hours **Maximum: 100 Marks**

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays: **2 x 20 = 40**

1. Discuss the treatable dementias and current management strategies of Alzeimer's disease.
2. Discuss the clinical profile of top of basilar artery syndrome.

II. Write short notes on: **10 x 6 = 60**

1. Hashimoto's encephalopathy.
2. Stiff – person syndrome.
3. Diagnostic criteria of PSP
4. Leviteracetam.
5. Brain death.
6. Tau-pathies.
7. odds –ratio.
8. Logistic regression.
9. Mitochondrial inheritance.
10. CADASIL.

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