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MANIPAL UNIVERSITY

DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2013

SUBJECT: PAPER I: BASIC SCIENCES RELATED TO NEUROLOGY

Wednesday, July 03, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Describe the immunopathogenesis of inflammatory Myopathies.

(10 marks)

2. **Write short notes on:**

2A. HAART induced neurological dysfunction

2B. Peroxisomal disorders

2C. Dementia due to strategic infarcts

2D. Pervasive disorders of the CNS

(10×4 = 40 marks)

3. **Write brief notes on:**

3A. Quantitative Sensory Testing

3B. Experimental Allergic Encephalomyelitis

3C. Idiopathic intracranial hypotension

3D. Apoptotic pathways

3E. Adreno-Leukodystrophy

(10×5 = 50 marks)



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MANIPAL UNIVERSITY

DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2013

SUBJECT: PAPER II: CLINICAL NEUROLOGY DISEASES OF CENTRAL NERVOUS SYSTEM - BRAIN

Friday, July 05, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ **Answer ALL questions.**
- ✍ **All questions carry equal marks.**

1. Etiology, clinical features and management of primary subarachnoid hemorrhage.
2. Anterior ischemic optic neuropathy
3. Osmotic demyelination syndrome
4. Menstrual migraine
5. Benign focal epilepsies of childhood
6. Minimental status examination
7. Etiology, clinical features and management of viral encephalitis
8. Posterior reversible leucoencephalopathy
9. Dopa responsive dystonia
10. Good clinical practice



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MANIPAL UNIVERSITY

DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2013

SUBJECT: PAPER III: CLINICAL NEUROLOGY – DISEASES OF SPINAL CORD, NERVES, NERVE-MUSCLE JUNCTION, MUSCLES, AUTONOMIC NERVOUS SYSTEM AND NEUROPSYCHIATRY

Monday, July 08, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ All questions carry equal marks.

1. Discuss the causes of progressive non compressive myelopathy.
2. Describe the various types of vascular malformations of spinal cord.
3. Draw a diagram of lumbar plexus. Discuss the clinical picture of diabetic lumbosacral radiculoplexopathy.
4. Discuss the entrapment neuropathies of upper limb.
5. Describe the cellular events in the pathogenesis of GBS.
6. Describe the structure of Acetyl Choline esterase. Add a note on the clinical and electrophysiological features of congenital Acetyl Choline esterase deficiency.
7. Discuss the various antibodies and its pathogenesis in myasthenia gravis.
8. Discuss the differential diagnosis and investigations of a 20yr old male presenting with acute breathlessness of neurological origin.
9. Discuss the pathogenesis clinical features and treatment of Malignant Hyperthermia.
10. Discuss the pathophysiology of Stiff man syndrome.



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DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2013

**SUBJECT: PAPER IV: ALLIED BRANCHES RELATED TO NEUROLOGY, RECENT
ADVANCES IN NEUROSCIENCES**

Wednesday, July 10, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

All questions carry equal marks.

1. Presurgical evaluation of a patient with medically refractory epilepsy.
2. Current guidelines for primary prevention of ischemic stroke.
3. Paraneoplastic syndromes
4. Neuromyelitic optica
5. Deep brain stimulation
6. Brain monitoring in ICU
7. Electrodiagnosis of wrist drop
8. Immunodiagnosis in meningitis
9. Clinical applications of brainstem auditory evoked responses
10. Brain biopsy

