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MANIPAL UNIVERSITY

DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2007

SUBJECT: PAPER I: APPLIED BASIC SCIENCES RELATED TO CLINICAL NEUROLOGY

Monday, July 02, 2007

Time: 3 Hrs.

Max. Marks: 100

- ✍ **Answer ALL the questions.**
- ✍ **All questions carry equal marks.**
- ✍ **Illustrate your answers with diagrams wherever appropriate.**

1. Discuss the anatomy of cerebellum and its role in movement and cognition.
2. Draw the anatomy of basal ganglia and discuss the pathophysiological substrate for movement disorders.
3. Write short notes on:
 - 3A. Primary mtDNA depletion.
 - 3B. Neural progenitor cells.
 - 3C. Multi drug resistant glycoprotein.
 - 3D. Alien hand.
 - 3E. Reflex sympathetic dystrophy.

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MANIPAL UNIVERSITY

DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2007

SUBJECT: PAPER II: CLINICAL AND THERAPEUTIC NEUROLOGY

Tuesday, July 03, 2007

Time: 3 Hrs.

Max. Marks: 100

- ✍ **Answer ALL the questions.**
- ✍ **All questions carry equal marks.**
- ✍ **Illustrate your answers with diagrams wherever appropriate.**

1. Discuss the role of molecular genetics in Neurological Disorder.
2. Define Intractable Epilepsy and its management.
3. Write short notes on the following:
 - 3A. Myotonia.
 - 3B. Plasmapheresis and Neurological Disorders.
 - 3C. Floppy Infant Syndrome.
 - 3D. Mitochondrial Encephalo Myopathies.
 - 3E. Stiff Man Syndrome.



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MANIPAL UNIVERSITY

DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2007

SUBJECT: PAPER III: RECENT ADVANCES IN NEUROLOGY ALLIED SPECIALITIES

Wednesday, July 04, 2007

Time: 3 Hrs.

Max. Marks: 100

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- ✍ **Answer ALL the questions.**
 - ✍ **All questions carry equal marks.**
 - ✍ **Illustrate your answers with diagrams wherever appropriate.**
1. Discuss the role of Neurochemistry in the diagnosis of Neuromuscular disorders.
 2. Clinically evaluate the role of evoked potentials in the practice of clinical Neurology.
 3. Write Short Notes on the following:
 - 3A. Drug Therapy of Spasticity.
 - 3B. Polysomnography.
 - 3C. Plasmapheresis.
 - 3D. Apoptosis.

