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## MANIPAL UNIVERSITY

### DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2008

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

Tuesday, July 01, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams wherever appropriate.**

1. Describe the physiology of normal tone. Describe the pathophysiology of abnormal tone.
2. Describe the eye movement systems and its neuroanatomic and physiological basis. Describe the pathophysiological basis of abnormalities in this pathway.
3. Write short notes on the following:
  - 3A. Hemi neglect.
  - 3B. Hippocampus.
  - 3C. Persistent vegetative state.
  - 3D. Thrombophilic states.
  - 3E. Vein of Galen.

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## MANIPAL UNIVERSITY

**DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2008**

**SUBJECT: PAPER II: CLINICAL AND THERAPEUTIC NEUROLOGY**

Wednesday, July 02, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams wherever appropriate.**

1. Discuss the aetiopathogenesis, pathology, clinical features, differential diagnosis, complications and therapeutic options of idiopathic Parkinson's disease.
2. Discuss the aetiopathogenesis, clinical features, diagnosis and management of slow virus diseases affecting the nervous system.
3. Write short notes on:
  - 3A. Thrombolytic therapy in management of acute stroke.
  - 3B. Newer antiepileptic medications.
  - 3C. Slow channel syndrome.
  - 3D. Segawa syndrome.

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## MANIPAL UNIVERSITY

### DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2008

**SUBJECT: PAPER III: RECENT ADVANCES IN NEUROLOGY ALLIED SPECIALITIES**

Thursday, July 03, 2008

Time: 3 Hrs.

Max. Marks: 100

**Answer ALL the questions.**

**Illustrate your answers with diagrams wherever appropriate.**

1. Discuss the role of Trans Cranial Doppler study in stroke.
2. Discuss the recent advances in the diagnosis of CNS viral infections.
3. Write short notes on:
  - 3A. Levetiracetam.
  - 3B. Vagal nerve stimulation.
  - 3C. Stem cell research.
  - 3D. DAT imaging in drug induced and psychogenic Parkinsonism.
  - 3E. Cloning for motor neuron disease.

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