

## MANIPAL UNIVERSITY

DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2014

SUBJECT: PAPER-I: BASIC SCIENCES RELATED TO NEUROLOGY

Saturday, July 05, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ **Answer ALL questions.**
- ✍ **All questions carry equal marks.**
- ✍ **Draw suitable diagrams wherever necessary.**

1. Blood supply of thalamus
2. Physiological basis of memory
3. Pathological diagnosis of mitochondrial disorders
4. Neurophysiology of spasticity and rigidity
5. Anterior spinal artery syndrome
6. Anatomy of visual pathway and localisation of lesions at various sites
7. Venous drainage of brain
8. Voltage channels and their role in neurological disorders
9. Inhibitory neurons in epilepsy
10. Senile plaques



**MANIPAL UNIVERSITY****DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2014****SUBJECT: PAPER II: CLINICAL NEUROLOGY DISEASES OF CENTRAL NERVOUS SYSTEM - BRAIN**

Monday, July 07, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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- ✍ **Answer ALL questions.**
  - ✍ **All questions carry equal marks.**
  - ✍ **Draw suitable diagrams wherever necessary.**

1. Cerebrovascular events in cancer patient
2. Transient global amnesia
3. Recurrent cerebellar ataxias
4. Hypertension management in acute ischemic stroke
5. Epileptic encephalopathies in childhood
6. Movement disorder emergencies
7. Localising value of pupillary abnormalities in an unconscious patient
8. Rapidly progressive dementias
9. Rasmussen encephalitis- clinical, pathology, investigations, treatment
10. Primary headaches in children



**MANIPAL UNIVERSITY****DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2014****SUBJECT: PAPER III: CLINICAL NEUROLOGY – DISEASES OF SPINAL CORD, NERVES, NERVE-MUSCLE JUNCTION, MUSCLES, AUTONOMIC NERVOUS SYSTEM AND NEUROPSYCHIATRY**

Wednesday, July 09, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ **Answer ALL questions.**
- ✍ **All questions carry equal marks.**
- ✍ **Draw suitable diagrams wherever necessary.**

1. Restless legs syndrome
2. Multifocal motor neuropathy
3. Differential diagnosis of acute onset quadriparesis
4. Ischemic spinal cord disease
5. Neuropsychological evaluation of dementias
6. Critical illness neuromuscular syndromes
7. Implications of Optic Neuritis Treatment Trial and Longitudinal Optic Neuritis Study
8. Paradoxical treatment related reactions in Tuberculous meningitis
9. Antibody testing in neuropathies
10. Channelopathies



## MANIPAL UNIVERSITY

### DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2014

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

Friday, July 11, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ Answer ALL questions.
- ✍ All questions carry equal marks.
- ✍ Draw suitable diagrams wherever necessary.

1. Differential diagnosis of Diffusion restriction in MRI
2. Radiologically isolated syndrome
3. Senile plaques
4. Electrodiagnostic evaluation of foot drop
5. Combination therapy in epilepsy
6. Tolvaptan
7. Oral formulations in MS
8. Genetics of Alzheimer's disease
9. Sympathetic skin response
10. EEG in SSPE

