

MANIPAL UNIVERSITY**DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2009****SUBJECT: PAPER I: BASIC SCIENCES, RELATED TO NEUROLOGY**

Wednesday, July 01, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **All questions carry TEN marks each.**

1. Organization of autonomic nervous system and its bed side evaluation.
2. Supranuclear control of oculomotor system.
3. Functional organisation of Frontosubcortical circuits.
4. Sarcoglycan.
5. Anisocoria.
6. Blood brain barrier in health and disease.
7. Disorders of Copper metabolism.
8. Cytokines.
9. NMDA receptor.
10. Immune regulation in nervous system.



MANIPAL UNIVERSITY**DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2009****SUBJECT: PAPER II: CLINICAL NEUROLOGY DISEASES OF CENTRAL NERVOUS SYSTEM - BRAIN**

Thursday, July 02, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **All questions carry TEN marks each.**

1. Cerebral venous thrombosis.
2. Transient global amnesia.
3. Short lasting headaches.
4. Neurological complications of cardiac surgery.
5. Painful ophthalmoplegia.
6. Therapy of fungal infections of nervous system.
7. Epileptic encephalopathies.
8. Reversible posterior encephalopathy.
9. Taupathies.
10. Drug induced movement disorders.



MANIPAL UNIVERSITY**DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2009****SUBJECT: PAPER III: CLINICAL NEUROLOGY – DISEASES OF SPINAL CORD, NERVES, NERVE-MUSCLE JUNCTION, MUSCLES, AUTONOMIC NERVOUS SYSTEM AND NEUROPSYCHIATRY**

Friday, July 03, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

 **All questions carry TEN marks each.**

1. Metabolic myopathies.
2. Carpal tunnel syndrome.
3. Presynaptic neuromuscular junction disorders.
4. Small fibre neuropathies.
5. Monomelic amyotrophy.
6. Neuroleptic malignant syndrome.
7. Catatonia.
8. Spinal vascular disease.
9. Rhabdomyolysis.
10. Neurological side effects of neuroleptic-antipsychotic drugs.



MANIPAL UNIVERSITY**DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2009****SUBJECT: PAPER IV: ALLIED BRANCHES RELATED TO NEUROLOGY, RECENT
ADVANCES IN NEUROSCIENCES**

Saturday, July 04, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **All questions carry TEN marks each.**

1. Etiopathogenesis and management of myasthenia gravis.
2. Immunomodulatory treatment of multiple sclerosis.
3. Neuroprotection in Parkinson's disease.
4. Epilepsy and pregnancy registries.
5. Intervention radiology in cerebrovascular diseases.
6. Transcranial Doppler.
7. Benign epileptiform discharges (variants).
8. H- reflex.
9. Clinical applications of somatosensory evoked potentials.
10. Polymerase chain reaction.

