

Reg. No.

MANIPAL UNIVERSITY

DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2016
SUBJECT: PAPER II: CLINICAL NEUROLOGY; DISEASES OF THE CENTRAL
NERVOUS SYSTEM - BRAIN

Thursday, July 14, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Long Essays:

1. Diagnosis and treatment of autoimmune epilepsies. (20 marks)
2. Evaluation of a patient with Nystagmus. (20 marks)

Short essays:

- 3A. Syndromic diversity in Alzheimer's disease
- 3B. Temporal arteritis: diagnosis and treatment
- 3C. Cervical artery dissections
- 3D. Frontal lobe disinhibition syndrome
- 3E. Arboviral infections of the central nervous system
- 3F. Hashimoto's encephalopathy

(10 marks × 6 = 60 marks)



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DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2016

SUBJECT: PAPER I: BASIC SCIENCES RELATED TO NEUROLOGY

Wednesday, July 13, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Long Essays:

1. Blood supply of spinal cord and spinal strokes.

(20 marks)

2. Applied anatomy of eye movements.

(20 marks)

3. Short essays:

3A. Genetics and pathophysiology of Primary Dystonia

3B. Mitochondrial disorders affecting the nervous system

3C. Fragile X syndrome

3D. Mesenchymal stromal cells in ischemic stroke.

3E. Autoimmune dementias

3F. Neural control of the Heart

(10 marks × 6 = 60 marks)



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DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2016

SUBJECT: PAPER IV: APPLIED BRANCHES RELATED TO NEUROLOGY,
NEURORADIOLOGY, NEUROPATHOLOGY, CLINICAL NEUROPHYSIOLOGY

Saturday, July 16, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Long Essays:

1. Electrophysiological evaluation of a patient with peripheral neuropathy. (20 marks)
2. Activation procedures used during EEG recording and their diagnostic significance. (20 marks)

3. **Short essays:**

- 3A. Magnetoencephalography
- 3B. Multiple sleep latency test (MSLT)
- 3C. Long-term video-EEG monitoring
- 3D. Role of brain imaging in mitochondrial disorders
- 3E. Intraoperative electrophysiological monitoring
- 3F. Electrophysiological diagnosis of myasthenic syndromes

(10 marks × 6 = 60 marks)



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DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2016

SUBJECT: PAPER III: CLINICAL NEUROLOGY, DISEASES OF SPINAL CORD,
NERVES, NM JUNCTION, MUSCLES, ANS AND NEUROPSYCHIATRY

Friday, July 15, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Long essays:**

1. Role of muscle biopsy in mitochondrial disorders.
(20 marks)
2. Treatment of Chronic Inflammatory Demyelinating Polyneuropathy (CIDP).
(20 marks)

3. **Short essays:**

- 3A. Neuroleptic malignant syndrome
- 3B. Familial amyloid polyneuropathy
- 3C. Anterior interosseous nerve syndrome
- 3D. Bell's palsy
- 3E. Dorsal root ganglionopathy
- 3F. Diagnostic criteria for inclusion body myositis

(10 marks × 6 = 60 marks)

