

MANIPAL ACADEMY OF HIGHER EDUCATION
DM (NEUROLOGY) DEGREE EXAMINATION.– JULY 2018
SUBJECT: PAPER I: BASIC SCIENCES RELATED TO NEUROLOGY

Monday, July 09, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

 **Answer ALL the questions.**

 **Long Essays:**

1. Neuroanatomical basis of third cranial nerve palsies.

(20 marks)

2. Neuroanatomical basis of memory dysfunction.

(20 marks)

3. **Write short notes on:**

3A. Supranuclear oculomotor disorders

3B. CNS Vasculitis

3C. Role of iron in neurodegenerative disorders

3D. Neuroanatomical basis of facial nerve palsies

3E. Anatomy of lumbosacral plexus

3F. Genetics of Wilson's disease

(10 marks × 6 = 60 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION**DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2018****SUBJECT: PAPER II: CLINICAL NEUROLOGY; DISEASES OF THE CENTRAL
NERVOUS SYSTEM - BRAIN**

Tuesday, July 10, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Clinical features and differential diagnosis of the syndrome of Encephalitis. (20 marks)
2. Discuss epidemiology, pathogenesis, neuropathology, clinical features and diagnosis of Multiple System atrophy. (20 marks)

3. **Short Essays:**

- 3A. Stenotic atherosclerotic plaque in carotid artery
- 3B. ICU acquired weakness
- 3C. Primary head aches
- 3D. Anterior ischemic optic neuropathy
- 3E. Memory systems
- 3F. Treatment of Increased Intracranial pressure

(10 marks × 6 = 60 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION**DM (NEUROLOGY) DEGREE EXAMINATION. – JULY 2018****SUBJECT: PAPER III: CLINICAL NEUROLOGY, DISEASES OF SPINAL CORD,
NERVES, NM JUNCTION, MUSCLES, ANS AND NEUROPSYCHIATRY**

Wednesday, July 11, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Mitochondrial disorders affecting the nervous system.

(20 marks)

2. Phenotypic and genotypic characterization of hereditary spastic paraplegia (HSP).

(20 marks)

3. **Write short notes on:**

3A. Papilledema: Pathophysiology and differential diagnosis

3B. Motoric cognitive risk syndrome

3C. Dorsal root ganglionopathy

3D. Guillain-Barre Syndrome in Asia

3E. Treatment of Duchenne muscular dystrophy

3F. Management of fatigue in multiple sclerosis

(10 marks × 6 = 60 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2018

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

Thursday, July 12, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Repetitive nerve stimulation (RNS) studies to assess neuromuscular transmission. (20 marks)

2. Critically assess the role of EEG in the prediction of postanoxic coma. (20 marks)

3. **Write short notes on:**

3A. Anterior interosseous nerve syndrome

3B. Copy number variations

3C. Olfactory dysfunction in neurodegenerative disorders

3D. New treatments for Neuronal ceroid lipofuchinosis

3E. Tests for autonomic dysfunction

3F. Reflex epilepsy

(10 marks × 6 = 60 marks)

