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MANIPAL ACADEMY OF HIGHER EDUCATION
DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2020
SUBJECT: PAPER I: BASIC SCIENCES RELATED TO NEUROLOGY

Wednesday, July 01, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Neuroanatomical and physiological basis of spinal shock and spasticity. (20 marks)

2. Neuroanatomical basis of language dysfunction. (20 marks)

3. **Write short notes on:**

3A. Amyloid pathology and dementia

3B. Familial risk of epilepsy

3C. Arboviral infections of the nervous system

3D. Dopamine dysregulation syndrome

3E. Chronic traumatic encephalopathy

3F. Inclusion body myositis

(10 marks × 6 = 60 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2020
SUBJECT: PAPER II: CLINICAL NEUROLOGY; DISEASES OF THE CENTRAL
NERVOUS SYSTEM - BRAIN

Thursday, July 02, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Role of surgery in the treatment of drug-resistant epilepsies. (20 marks)

2. Endovascular coiling versus neurosurgical clipping for ruptured aneurysms. (20 marks)

3. **Write short notes on:**

3A. Prevention of stroke in non-valvular atrial fibrillation

3B. Neuropsychiatric manifestations of systemic lupus erythematosus

3C. Sudden unexpected death in epilepsy (SUDEP)

3D. Dementia with Lewy bodies

3E. Oral anticoagulant-associated intracerebral hemorrhage

3F. Progressive multifocal leukoencephalopathy

(10 marks × 6 = 60 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2020
SUBJECT: PAPER III: CLINICAL NEUROLOGY, DISEASES OF SPINAL CORD,
NERVES, NM JUNCTION, MUSCLES, ANS AND NEUROPSYCHIATRY

Friday, July 03, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Long Essays:

1. Discuss the management of spontaneous intracerebral hemorrhage.

(20 marks)

2. Discuss the management approach to an adult person presenting with new onset seizure.

(20 marks)

3. Write short notes on:

3A. Neurological manifestations of hypothyroidism

3B. Neuro-Bechet's syndrome

3C. Brain cavernomas

3D. Ach receptor antibody negative myasthenias

3E. Temporal arteritis: diagnosis and treatment

3F. Epileptic vertigo

(10 marks × 6 = 60 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
DM (NEUROLOGY) DEGREE EXAMINATION – JULY 2020
SUBJECT: PAPER IV: APPLIED BRANCHES RELATED TO NEUROLOGY,
NEURORADIOLOGY, NEUROPATHOLOGY, CLINICAL NEUROPHYSIOLOGY

Saturday, July 04, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss Impulse control disorders and levodopa induced Dyskinesias. (20 marks)

2. Recent advances in management of Multiple Sclerosis. (20 marks)

3. **Short Essays:**

3A. PISA Syndrome

3B. Electrodiagnostic Criteria of Motor Neuron Disease

3C. Pre surgical evaluation in a patient with drug-resistant epilepsy

3D. Intraoperative EPS monitoring

3E. Orthostatic Hypotension

3F. CTA

(10 marks × 6 = 60 marks)

