
THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY
[DM 0124] JANUARY 2024 Sub. Code :1508

D.M. – PAEDIATRIC NEUROLOGY

**PAPER III – NEURO RADIOLOGY, ELECTRO PHYSIOLOGY,
NEURO OTOTOLOGY, NEURO OPHTHALMOLOGY AND
INVESTIGATORY PROCEDURES**

Q.P. Code: 161508

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Approach to Auditory Spectrum Disorders.
2. Radiological approach to Leukodystrophy.

II. Short notes on: **(10 x 7 = 70)**

1. Cortical Deafness.
2. Retinitis Pigmentosa.
3. Digenic inheritance (DI).
4. X-linked recessive disorders in girls.
5. Preimplantation genetic testing.
6. Homoplasmy and Heteroplasmy.
7. Reversible splenic lesion syndrome (RESLES).
8. Approach a child with Thalamic hyperdensity.
9. CSF oligoclonal bands.
10. Developmental language disorders.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[DM 0824]

AUGUST 2024

Sub. Code :1508

D.M. – PAEDIATRIC NEUROLOGY

**PAPER III – NEURO RADIOLOGY, ELECTRO PHYSIOLOGY,
NEURO OTOLOGY, NEURO OPHTHALMOLOGY AND INVESTIGATORY
PROCEDURES**

Q.P. Code: 161508

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Multimodal brain death evaluation in children.
2. Comprehensive neuroimaging techniques in evaluation of paediatric arterial ischemic stroke.

II. Short notes on

(10 X 7 = 70)

1. Neurometabolic studies in CSF.
2. Patterns of brain injury in term HIE using neuroimaging.
3. Laboratory diagnosis of peroxisomal disorders.
4. Prenatal diagnosis of posterior fossa anomalies.
5. MRI findings in MOGAD.
6. Genetics of Duchenne muscular dystrophy.
7. Autonomic function tests.
8. Brainstem Evoked Response Audiometry.
9. Conduction Block.
10. Horner's syndrome.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[DM 0225]

FEBRUARY 2025

Sub. Code :1508

D.M. – PAEDIATRIC NEUROLOGY

**PAPER III – NEURO RADIOLOGY, ELECTRO PHYSIOLOGY,
NEURO OTOLOGY, NEURO OPHTHALMOLOGY AND INVESTIGATORY
PROCEDURES**

Q.P. Code: 161508

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Elaborate normal EEG pattern in wake and sleep from infancy to adolescence.
2. Discuss critical appraisal of a systematic review and guidelines.

II. Short notes on **(10 X 7 = 70)**

1. Diffusion weighted MRI.
2. Utility of Chromosomal microarray in paediatric neurology.
3. Congenital cataract.
4. Audiological evaluation of early hearing loss.
5. MRI finding in cerebral venous sinus thrombosis.
6. Biochemical testes for diagnosis of mitochondrial disorders.
7. Diagnostic evaluation of micturition disorders in children.
8. Pharmacogenetics.
9. Sanger sequencing and relevance in Paediatric Neurology.
10. Laboratory diagnosis of peroxisomal disorders.
