

QP Code: 103522

Reg. No:

**DM (Paediatric Neurology) Degree Supplementary Examination
June 2024**

**Paper III – Electrophysiology, Neuroimaging, Neurogenetics, Neurosurgery,
Neuro Psychiatry**

Time: 3 hrs

Max marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (20)

1. A 5-year-old boy presented with subacute-onset headache, vomiting, encephalopathy and right hemiparesis. MRI (magnetic resonance Imaging) reveals a posterior fossa space-occupying lesion with mass effect. Enlist the possible differentials and radiologic approach to such a case scenario

Short essays: (8x10=80)

2. Pathophysiological basis of trinucleotide repeat expansion disorders related to pediatric neurology
3. Discuss the latest advances in management of lysosomal storage disorders
4. How will you plan a pre-surgical evaluation for a child with drug refractory epilepsy and discuss the available surgical options
5. A newborn presented with seizures and lethargy on day 3 of life. Perinatal transition was smooth with birth weight of 3.2 kg. How will you approach and manage this case
6. Discuss the terminologies in the context of electrographic seizures/status epilepticus as per latest ACNS (American Clinical Neurophysiology Society) guidelines. How will you manage a case of super-refractory status epilepticus
7. Advantages and disadvantages while interpretation of results of Next Generation Sequencing (NGS) in Pediatric Neurology
8. Discuss regarding the role of epilepsy surgery in children with intractable epilepsy
9. Role of Radiogenomics in Pediatric Neurology
