

QP Code: 101522

Reg. No:

**DM (Paediatric Neurology) Degree Regular/Supplementary
Examinations December 2025**

Paper I – Basic Sciences

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) Classify the cortical white matter tracts in the brain with their functional significance (10)
- b) Discuss the clinical relevance of this classification in relation to the inherited and acquired white matter disorders (10)

Short essays: (8x10=80)

2. Soft neurological signs and their significance in developmental neurology.
3. Nipah encephalitis – epidemiology and clinical features.
4. Cannabinoids in neurotherapeutics.
5. Visual recognition.
6. Synaptic pruning and its clinical relevance.
7. Vertebrobasilar circulation – development and clinical anatomy.
8. Discuss the normal myelination pattern and its significance in health and disease.
9. Draw the anatomy of facial nerve and discuss the relevance in clinical localization.
