

QP Code: 101522

Reg. No:

**DM (Paediatric Neurology) Degree Supplementary Examinations
October 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. Discuss the anatomy of the white matter tracts of the spinal cord with suitable diagrams. Explain its relevance in the clinical localization of spinal cord pathologies.

Short essays: (8x10=80)

2. Accommodation reflex in health and disease.
3. Monroe– Kellie Doctrine and its clinical relevance.
4. Fetal circulation and its clinical importance to neurological disorders.
5. Axonal transport.
6. Melioidosis.
7. Neurotransmitters.
8. Muscle membrane proteins.
9. Glymphatic system.
