

QP Code: 104503

Reg. No.:.....

D.M. (Neurology) Degree Supplementary Examinations October 2025

Paper IV – Recent Advances in Neurology

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 gut flora and gut-brain axis. Discuss gut dysbiosis in possible pathogenesis and modulation of neurological disorders

Short essays: (8x10=80)

2. Neuromodulation methods and devices for migraine
3. Ultrasound guided botulinum toxin injections
4. Artificial intelligence in neuro-imaging
5. Sleep monitoring with wearable devices
6. Gene therapy for SMA [Spinal muscular atrophy]
7. Whole exome and whole genome sequencing in neurological disorders
8. Real time quaking induced conversion [RT-QuiC]
9. Telemedicine in stroke management
