

QP Code: 104517

Reg. No:

**D.M. (Neonatology) Degree Regular/Supplementary Examinations
December 2025**

Paper IV– Recent Advances, Research Methodology, Allied Disciplines (Eg Pediatric Surgery) Neurodevelopmental Follow-Up, Rehabilitation Etc.

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. Describe the assessment tools used for neurodevelopmental and behavioral follow up of a high-risk infant from 3 months till 3 years of age

Short essays: (8x10=80)

2. Describe the various MRI findings in perinatal asphyxia and their possible long term clinical correlation.
3. Stem cell therapy in neonatology.
4. Newer diagnostic tests in neonatal sepsis.
5. Recent evidence based red cell transfusion guidelines.
6. Pre-and post-operative care of a baby with Type C tracheo-esophageal fistula.
Briefly describe the various surgical options in this baby
7. Long term visual outcomes in neonates who required treatment for retinopathy of prematurity.
8. Correlation and agreement in statistics.
9. Sensitivity analysis in a controlled trial.
