

QP Code: 101517

Reg. No:

**D.M. (Neonatology) Degree Supplementary Examinations
October 2025**

Paper I – Basic Sciences, Perinatology, Resuscitation, Equipment in neonatal care

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 Urea Cycle and the genetic defects that can be associated with it. Outline a simple, bedside, algorithmic approach to possible Inborn Errors of Metabolism in the first few days of life based on ammonia, glucose and pH levels in a suspected case

Short essays: (8x10=80)

2. Cord milking
3. Doppler changes in late onset Fetal Growth Restriction
4. Near Infra Red Spectroscopy (NIRS) vs Pulse Oximetry
5. Developmental defects of the thyroid gland
6. Gut flora in neonates fed on human milk
7. Communication skills in the Delivery Room
8. Long-term effects of fetal malnutrition
9. Maternal COVID infection in the antenatal and perinatal period
