

QP Code: 101517

Reg. No:

**D.M. (Neonatology) Degree Regular/Supplementary Examinations
December 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. Neonatal resuscitation program guidelines 2015: changes from 2010 and the evidence for the same.

Short essays: (8x10=80)

2. Risk factors and pathogenesis of preterm labor.
3. Oxygen saturation targeting - what is new.
4. Developmental overview of cleft lip and palate.
5. Neonatal pulse oximetry.
6. Bland altman plot, forest plot, funnel plot.
7. Histopathological changes in neonatal brain in hypoxic ischemic encephalopathy.
8. Development and metabolism of pulmonary surfactant in fetus.
9. Pathophysiology of persistent, pulmonary hypertension of the new born.
