

QP Code: 101517

Reg. No: .....

**D.M. (Neonatology) Degree Regular/Supplementary Examinations  
April 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 development and maturation of gastro intestinal system and related anomalies.

**Short essays:**

**(8x10=80)**

2. Problems encountered and management during resuscitation of the baby with preexisting morbidity.
3. Compare T-piece resuscitator and self-inflating bag.
4. Management of a mother with retro virus positivity.
5. Doppler study in antenatal period.
6. LED units vs CFL units in phototherapy.
7. Use of therapeutic cooling in management of perinatal asphyxia.
8. Sensors for patient triggered breaths in ventilation.
9. Prenatal aneuploidy screening.

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