

QP Code: 101517

Reg. No: .....

**D.M. (Neonatology) Degree Supplementary Examinations  
February 2023**

**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. Discuss neonatal pharmacokinetics. Elaborate on maturational pharmacokinetics. Add a note on developmental considerations in neonatal seizure therapy.

**Short essays:**

**(8x10=80)**

2. Doppler changes in IUGR
3. Temperature management during neonatal transition
4. Humidification for neonatal ventilation
5. Management of CMV infection
6. T piece resuscitator.
7. Neonatal thyroid physiology and its implications for the clinician
8. End tidal CO<sub>2</sub> monitor
9. Increasing the life span of neonatal equipment

\*\*\*\*\*