

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[DM 0823]**

**AUGUST 2023**

**Sub. Code :1453**

**D.M. – NEONATOLOGY**

**PAPER III – CLINICAL NEONATOLOGY AND NEONATAL INTENSIVE  
CARE INCLUDING NEONATAL TRANSPORT**

*Q.P. Code: 161453*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe CPAP and heated humidified high flow nasal cannula therapy in newborn. Discuss recent evidence of using one mode over the other.
2. Describe strategies to prevent Hypothermia during transport of a sick newborn infant from one health facility to another. Discuss Physiological considerations during air transport of a newborn infant with pulmonary air leak syndrome.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Nitric Oxide in term and preterm babies.
2. Rotavirus Infection in newborn.
3. Caffeine versus Aminophylline in Apnoea of Prematurity.
4. Measures to reduce transmission of Multidrug Resistant Gram Negative Bacteria in Neonatal units.
5. Growth charts in the newborn.
6. Neonatal Tachyarrhythmia –management.
7. Pharmacotherapy of Neonatal Seizures.
8. Volume Guarantee Ventilation.
9. Oxygen Saturation Targets in Preterm Neonates.
10. Acute Kidney Injury in NICU.

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