

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

[DM 0222]

FEBRUARY 2022

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. Discuss the principles of fluid and electrolyte management in a sick neonate in NICU and management of severe dehydration in newborn.
2. Discuss the effect of Neonatal Intensive Care Unit environment on the neonate and the concept of developmentally supportive care in the NICU.

II. Write notes on:

(10 x 7 = 70)

1. Management of Antenatally diagnosed Hydronephrosis.
2. Approach to Hyperglycemia in newborn.
3. Describe pain pathways in neonate and management strategies for relief of pain.
4. Discuss the interpretation of various scalars and loops in pulmonary graphic monitoring of the ventilated neonate.
5. Discuss Neonatal transport in resource rich and resource challenged settings.
6. Ventilator associated pneumonia-Risk factors, management and prevention.
7. Diagnostic approach to a hypertensive neonate.
8. Describe the mechanism of bilirubin neurotoxicity, clinical features of kernicterus and its MRI findings.
9. Discuss Congenital Adrenal Hyperplasia, prenatal and post natal management of Congenital Adrenal Hyperplasia.
10. Periventricular leukomalacia.
