

PAPER CODE: 6054

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA– 506 002**

D.M. /M.CH. DEGREE EXAMINATION: DECEMBER, 2025

**NEONATOLOGY
PAPER– IV
(RECENT ADVANCES)**

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write an essay on the following:

2 X 30=60

1. Discuss the ventilator strategies of common causes of respiratory Distress in a Neonate. Discuss the advantages of Hybrid modes of Ventilation and use of Pulmonary Graphics.
2. Genetic Counselling– definition, indication, types of Genetic Disorders, prenatal diagnosis, legal implication, and role of Gene Therapy in Genetic Disorders.

Write a short note on the following:

4 X 10=40

3. Discuss the mechanism of production of Free Radicals and discuss the disorders produced due to Free Radicals in Neonates.
4. Newer treatment modalities in Neonatal Sepsis.
5. Probiotics in NEC.
6. Near– Infrared Spectroscopy.
