

PAPER CODE: 6051

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
D.M. /M.CH. DEGREE EXAMINATION: MARCH, 2025**

**NEONATOLOGY
Paper – I
(BASIC SCIENCES)**

Time: 3 Hours.

Max Marks: 100

**Note: Answer all questions.
Give Diagrammatic representation wherever necessary.**

Write Essay on the following:

2X30=60

1. Describe the embryological development of Placenta. Mention the factors that regulate placental circulation. Discuss the placental abnormalities in Multiple Gestation.
2. Describe the various characteristics of a Diagnostic Test in Medical Research methodology. Highlight the importance of clinical applications of Receiver operating curve and likelihood ratios in practice.

Write short note on the following:

4X10=40

3. Network Meta–Analysis & Forest Plot.
4. Next Generation Sequencing Genetic Testing.
5. Fetal Therapy.
6. Physiology of Neonatal Pain Perception.
