

(LQ 084)**FEBRUARY 2020****Sub. Code: 1454****D.M. – NEONATOLOGY****Paper IV – COMMUNITY NEONATOLOGY, NATIONAL MCH PROGRAMMES, ALLIED DISCIPLINES, NEURO DEVELOPMENT FOLLOW UP, RECENT ADVANCES, REHABILITATION ETC.,*****Q.P. Code: 161454*****Time: Three Hours****Maximum: 100 Marks****I. Elaborate on:****(2 x 15 = 30)**

1. Discuss in detail Gestation Age based pattern of Neurodevelopment and maturation, principles behind them and discuss the clinical methods in use to assess neuro-maturation.
2. What is prenatal mortality rate (PMR)? What are the factors determining PMR? Outline a plan to reduce PMR in your State.

II. Write notes on:**(10 x 7 = 70)**

1. Heart rate variability monitoring in NICU.
2. Point of Care tools in Neonatology.
3. Microbiology in Human Milk Banking.
4. Auditory testing for Preterm NICU graduates.
5. Implementation of Quality Improvement Projects in SNCUs.
6. Evidences on Early markers of Preterm delivery.
7. Withdrawing or withholding of life sustaining therapies (WWLST).
8. Synthetic surfactants for RDS.
9. Checklists for Follow up Programme for High Risk Neonates.
10. Hybrid modes in Neonatal Ventilation.
