

[LB 084]

AUGUST 2012

Sub. Code: 1454

D.M – NEONATOLOGY
Paper – IV COMMUNITY NEONATOLOGY,
RECENT ADVANCES
Q.P. Code: 161454

Time: 3 hours
(180 Min)

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

Pages Time Marks
(Max.)(Max.)(Max.)

- | | | | |
|---|----|----|----|
| 1. Outcome and long term consequences of Preterm Babies. | 16 | 35 | 15 |
| 2. Describe an approach to a Neonate with Multiple Congenital Anomalies and Suggest ways to reduce birth of these babies. | 16 | 35 | 15 |

II. Write notes on:

- | | | | |
|--|---|----|---|
| 1. Role of interventional cardiology in Neonatology. | 4 | 10 | 7 |
| 2. Recent advances in fetal surgery. | 4 | 10 | 7 |
| 3. Neuroprotective strategies in HIE. | 4 | 10 | 7 |
| 4. Post Hemorrhagic Hydrocephalus. | 4 | 10 | 7 |
| 5. Non nutritive sucking. | 4 | 10 | 7 |
| 6. Significance of Neonatal Behavior. | 4 | 10 | 7 |
| 7. Handicaps of late preterm babies. | 4 | 10 | 7 |
| 8. Medical closure of Patent Ductus Arteriosus. | 4 | 10 | 7 |
| 9. Sensory issues affecting VLBW babies. | 4 | 10 | 7 |
| 10. Co surviving twin. | 4 | 10 | 7 |

(LD 084)

AUGUST 2013

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:

(2X15=30)

1. Write notes on Dr.Muthulakshmi Reddy scheme and its impact on neonatal health in Tamilnadu.
2. Diagnostic approach to disorders of acid base balance and their management in a neonate.

II. Write notes on:

(10X7=70)

1. Tests for hearing screening of high risk neonates and interpretation brain stem evoked auditory response?
2. Adreno cortical axis in extremely low birth weight infants.
3. Antenatal markers of chromosomal disorders in foetus.
4. Role of magnetic resonance spectroscopy in neonatology.
5. Transcutaneous bilirubin measurement.
6. Merits and demerits of T-Piece Resuscitator.
7. Uses and limitations of the fetal biophysical profile.
8. Non-invasive assessment of lung volume.
9. Variables that can be manipulated during mechanical ventilation to improve oxygenation and ventilation in the neonate?
10. Verbal autopsy as a tool to investigate neonatal death.

[LF 084]

AUGUST 2014

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

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. Rashtriya Bal Suraksha Karyakram.
2. Evidences on the choice of devices for providing Positive pressure Ventilation in the delivery room.

II. Write notes on:

(10 x 7 = 70)

1. Newer surfactants.
2. Simulation based learning in neonatal resuscitation.
3. Current concepts in Immunoglobulin therapy.
4. Early initiation of breast feeding- practical difficulties and possible solutions.
5. Intravenous lipids in parenteral nutrition.
6. Complications of umbilical catheters.
7. VEGF inhibitors therapy in Retinopathy of prematurity.
8. How will you manage a baby born to mother with active chicken pox?
9. Heated humidified high flow nasal canula therapy (HHHFNC).
10. Multiple courses of antenatal corticosteroids.
