

QP Code: 101517

Reg. No:

D.M. (Neonatology) Degree Examinations - July 2016

Paper I – Basic Sciences, Perinatology, Resuscitation, Equipment in neonatal care

Time: 3 hrs

Max marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay:

(20 marks)

1. Discuss the various methods of antepartum fetal surveillance, their current status and evidence for their utility.

Short essays:

(8x10=80)

2. Mechanism of therapeutic hypothermia in perinatal asphyxia
3. Patho-physiology of necrotizing enterocolitis
4. Biomarkers of neonatal sepsis
5. Transient disorders in neonate due to maternal disease
6. Current status of T-piece resuscitators in neonatal resuscitation
7. Advantages, disadvantages and mechanism of functioning of incubators
8. Cardiac development and its abnormalities
9. Methods to monitor status of ventilation in a neonate
