

**QP Code: 101517**

**Reg. No: .....**

**D.M. (Neonatology) Degree Supplementary Examinations - January  
2017**

**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 stages of lung development. Enumerate the molecular signals involved in this process. Describe the various lung disorders that may arise during different stages of lung development.

**Short essays:**

**(8x10=80)**

2. Clinico-pathological correlates of perinatal asphyxia
3. Changes in neonatal resuscitation protocol 2015-16 and their basis
4. Current controversies about antenatal steroids
5. Relationship between placental pathology and neonatal disease
6. Methods to monitor oxygenation status in a neonate
7. Types of phototherapy equipment, their advantages and disadvantages
8. Patho-physiology of periventricular leukomalacia
9. Development of renal functions

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