

**IAP Neonatology Fellowship Exam  
January 2012**

**Paper I**

**Marks**

**100**

**Note: Answer 5 of the 7 questions**

**Each question carries 20 marks**

1. Discuss the evidence based cost effective interventions to decrease neonatal mortality. Also prioritize the interventions based on the NMR.
2. Approach to the antenatal and postnatal management of an antenatal detected hydronephrosis.
3. Short notes on (5 marks each)
  - a. Probiotics
  - b. Moderate hypothermia for perinatal asphyxia
  - c. IVIG for neonatal sepsis
  - d. LED phototherapy
4. Short notes on the following pathophysiology
  - a. Hypoxic Ischemic Encephalopathy (7marks)
  - b. Necrotizing enterocolitis (7marks)
  - c. Periventricular leucomalacia (6marks)
5. Discuss the approach to ambiguous genitalia from developmental / embryological aspect.
6. Short notes on
  - a. Expressed breast milk for preterm infants (8marks)
  - b. Special positions and latching techniques for difficult breastfeeding situations (8marks)
  - c. Bovine Lactoferrin (4marks)
7. Discuss the development of brain and relevant aberration.