

**NEONATOLOGY****PAPER-II**Time: 3 hours  
Max. Marks:100

NEONAT/D/19/19/II

**Important Instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

**Write short notes on:**

1. Describe the pathophysiology and management of septic shock in a neonate. 5+5
2. Describe the etiology of direct hyperbilirubinemia in an infant and outline the management. 5+5
3. a) Discuss the causes and timing of neonatal deaths in India. 4+6  
b) Enumerate and explain the evidence based low cost strategies to reduce neonatal deaths in the community.
4. Outline the objectives and salient features of INAP (India Newborn Action Plan). 2+8
5. Discuss the etiopathogenesis and management of Retinopathy of prematurity. 5+5
6. Discuss the etiology, clinical features and management of congenital hypothyroidism. 3+4+3
7. Describe the following with appropriate algorithms: 5+5  
a) UTD (Urinary Tract Dilatation) classification based antenatal and postnatal management.  
b) Evaluation of a neonate with suspected Inborn Error of Metabolism (IEM).
8. Describe the etiology, complications and management of a newborn with intrauterine growth restriction. 2+4+4
9. Discuss the etiology and management of apneic episodes in a preterm neonate. 5+5
10. a) Volume targeted ventilation. 5+5  
b) Diagnostic work up of a bleeding neonate.

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