

**NEONATOLOGY**

**PAPER-III**

Time: 3 hours  
Max. Marks:100

NEONA/J/19/19/III

**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 levels of newborn care. What are the mandates for establishing a level 3 care? 5+5
2. What is the role of sildenafil in antenatal and neonatal medicine? 10
3. How do you organize a high risk follow-up centre at your unit? What are various stimulation programs for newborns in India? 6+4
4. What are new: 5+5
  - a) Antiepileptics in management of neonatal seizures.
  - b) Pharmacological drugs in management of HIE.
5. Define perinatal mortality rate. What are the common causes? What are the steps that can be taken to reduce perinatal mortality? 2+3+5
6. a) Criteria of brain death in newborn. 5+5  
b) Antibiotic stewardship in NICU.
7. Discuss various types of milk fortifiers available. Describe different strategies for their optimum use. 5+5
8. a) Role of MRI in management of Newborn brain injury. 5+5  
b) Use of point of care echocardiogram in NICU.
9. How do you diagnose and manage HIV in neonate? Classify ART drugs. (4+4)+2
10. Explain the role of prebiotics and probiotics in neonatology with evidence base. 10

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