

**NEONATOLOGY**

**PAPER-III**

NEONAT/D/18/19/III

Time: 3 hours  
Max. Marks:100

**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. Discuss the ethical dilemmas in neonatal care in developing countries, and how would you approach these issues as a team leader. 5+5
2. a) Describe tools of assessment of preterm infants on follow-up. 5+5  
b) Discuss current scenario of long term outcome of extremely low birth weight (ELBW) infants in India.
3. Describe the common birth defects. Discuss steps to establish National birth defects registry. 5+5
4. Discuss evidence for use of:  
a) Heated humidified high flow nasal cannula in neonatal practice. 3+4+3  
b) Therapeutic hypothermia in perinatal asphyxia.  
c) Paracetamol for medical management of hsPDA.
5. What is 'Rashtriya Bal Swasthya Karyakram'? Describe in detail the structure and function of 'Early Intervention Centres'. 3+7
6. What is Pharmacovigilance? Discuss strategies to prevent and report medication errors in neonatal practice. 3+7
7. a) Transfusion guidelines in neonates. 5+5  
b) Cord blood banking in India: Utility and controversies.
8. a) Microbiome 5+5  
b) Innate immunity

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| 9.  | a) Current guidelines for management of Hospital waste. |     |
|     | b) Rational antibiotic prescribing in NICU.             | 5+5 |
| 10. | a) Point of care ultrasonography.                       | 5+5 |
|     | b) Amplitude integrated EEG.                            |     |

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