

**NEONATOLOGY**

**PAPER-II**

NEONAT/D/18/19/II

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:**

- Enumerate defects causing obstructive uropathy. 4+6
  - Discuss management of antenatally diagnosed hydronephrosis.
- Currently available intra and extra-uterine growth charts. 5+5
  - Discuss merits and demerits of their use to gauge neonatal growth.
- Principles of fluid and electrolyte therapy in a sick newborn in the NICU. 6+4
  - Management of severe dehydration in a neonate.
- Distribution of clinical phenotypes of preterm birth syndrome. 5+5
  - Handicaps of late preterm infants.
- Outline clinical approach to a term neonate developing shock at 44 hours of life. 5+5
  - Discuss mechanism of action of various pharmacologic agents used for managing shock.
- Differences between term and preterm skin. 3+4+3
  - Strategies for optimal skin care in the NICU.
  - Bullous eruptions in the newborn.
- Evaluation of an infant with neonatal stroke. 5+5
  - Coagulation pathway in the newborn and role of vitamin K.
- Enumerate methods available to assess pain in preterm and term babies and outline interventions to reduce pain in neonatal care. 5+5

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| 9.  | a) Newer markers for diagnosis of neonatal sepsis.   | 5+5 |
|     | b) Preventive steps and management of term infant born to mother with active chickenpox (varicella) illness. |     |
| 10. | Approach to and management of a neonate born with Disorder of sex differentiation.                           | 5+5 |

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