

**NEONATOLOGY**

PAPER – II

NEONAT/J/17/19/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:

1. a) Neonatal bilirubin metabolism. 2+(3+5)  
b) What are the clinical features of acute bilirubin encephalopathy and steps to prevent this problem?
2. a) What diagnostic workup will you do for a neonate with hypocalcemic seizures? 5+5  
b) Management of a case of hypocalcemic seizures.
3. Approach to a case of ambiguous genitalia and its management strategy. 6+4
4. Approach to a case of: 5+5  
a) Neonatal diabetes  
b) Congenital hypothyroidism
5. a) Amplitude integrated EEG. 5+5  
b) End tidal CO<sub>2</sub> monitors
6. a) Approach to a case of oligoanuria. 4+6  
b) Management of a neonate with acute renal failure
7. Approach to a neonate with persistent metabolic acidosis. 10
8. Management strategies for retinopathy of prematurity 10
9. A one week old neonate presents in the OPD with inability to move left lower limb and swelling at the hip joint area. Discuss the diagnostic approach and management of such a case. 4+6
10. Approach and management of a neonate with ichthyosis. 10

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