



NEONATOLOGY

PAPER – I

NEONAT/D/14/19/I

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. Control of breathing in neonates and pathogenesis of apnoea of prematurity. 6+4
2. Prenatal workup of foetal hydrops and fetal therapy possible. 7+3
3. Mechanisms of antibiotic resistance in neonates and strategies for prevention. 7+3
4. Heart defects resulting from abnormalities of cardiac looping in a neonate. 10
5. What is a systematic review? What are the steps required in writing a good systematic review? 3+7
6. Universal newborn screening and feasibility. 7+3
7. Physiology of calcium regulation and disorders of metabolism of calcium in a neonate. 6+4
8. Brain imaging in a neonate with Perinatal asphyxia and its usefulness in predicting neurodevelopmental outcome. 6+4
9. Discuss the mechanism of blood pressure maintenance in neonates. Discuss the use of vasopressors in neonates. 4+6
10. How do you assess and classify bacterial infection in a young infant as per Integrated Management of Neonatal and Childhood Illness (IMNCI). 5+5
