

**NEONATOLOGY**

PAPER – III

Time : 3 hours  
Max. Marks : 100

NEONAT/D/17/19/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. Briefly discuss the mechanisms of antibiotic resistance and strategies for its prevention. 5+5
2. Classify anti-arrhythmic drugs. Discuss pharmacologic and non-pharmacologic treatment of supra-ventricular tachycardia. 5+5
3. Describe briefly the spectrum of long term outcome in extremely low birth weight infants till school age. 10
4. Describe the burden of birth defects. Enumerate steps to establish a birth defects surveillance program. 5+5
5. Discuss the interpretation of various scalars and loops in pulmonary graphic monitoring of the ventilated neonate. 5+5
6. a. Magnetic resonance spectroscopy 5+5  
b. NIDCAP
7. Describe an approach to neonatal metabolic screening. 10
8. a. Microbiome 5+5  
b. PVHI – current classification
9. a. RMNCH-A strategy 5+5  
b. Mother's Absolute Affection
10. a. Otoacoustic Emission in a newborn 5+5  
b. Risk factors for ROP (Evidence based)

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