

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:

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| 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
b. NIDCAP | 5+5 |
| 7. | Describe an approach to neonatal metabolic screening. | 10 |
| 8. | a. Microbiome
b. PVHI – current classification | 5+5 |
| 9. | a. RMNCH-A strategy
b. Mother's Absolute Affection | 5+5 |
| 10. | a. Otoacoustic Emission in a newborn
b. Risk factors for ROP (Evidence based) | 5+5 |
