

NEONATOLOGY

PAPER-II

Time: 3 hours

NEONAT/D/20/19/II

Max. Marks:100

Important Instructions:

- *You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.*
- *Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.*
- *No additional supplementary answer sheet booklet will be provided.*
- *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. Write ILAE classification of neonatal seizure and write an algorithm of neonatal seizure management. 5+5
2. a) Algorithm for postnatal workup of antenatal renal collecting system dilatation. 5+5
b) Algorithm for evaluation and treatment of refractory hypoglycaemia.
3. Recent recommendation of PRBC transfusion in preterm infant and enumerate QI practices to optimize transfusion need. 4+6
4. Describe Pattern of Artifacts in Point of care Lung USG. Describe lung USG finding in Pneumothorax, TTNB and Pneumonia. 3+3+2+2
5. a) Distribution of clinical phenotype of preterm infants. 5+5
b) Chromosomal Microarray.
6. Postnatally acquired CMV infection in ELBW infants – Risk factors, presentations and management. 2+3+5
7. A 27 weeks preterm with birth weight of 890 grams received surfactant, was on ventilation, deteriorated on end day 2 with tachycardia, and increase need of FiO₂. Discuss causes, how to approach and classify severity of hsPDA and current pharmacotherapy for hsPDA. 2+2+3+3
8. a) Enumerate Development Supportive Care for VLBW infants. 6+4
b) Hearing Screening protocol for at risk New born.
9. a) How to investigate an infection outbreak in NICU? 5+5
b) Describe the core components of hospital antibiotics stewardship.
10. A 25 weeks preterm now 34 weeks PMA still on ventilator has repeated episodes of desaturations: how would you investigate and list outline of respiratory management of this neonate. 4+6
