NNF FELLOWSHIP EXAMINATION— October 2017

PAPER 2 ADVANCED NEONATOLOGY, CRITICAL CARE, PERINATOLOGY AND SURGERY

All questions are compulsory

Draw diagrams where necessary

Duration—3 hours, Marks 100

1. Q1
   a. Enumerate different pain scales used in neonatal intensive care unit (individual parameters not needed) (2)
   b. List various non-pharmacological methods of decreasing pain in neonates (3)
   c. Discuss various pharmacological agents for pain management in neonates (5)

2. Q2 Write short notes on
   a. Extraceuterine growth retardation in neonates and post discharge nutrition (5)
   b. Golden hour in neonatology (5)

3. Q3 Write short notes on
   a. Developmentally supportive care (5)
   b. Antenatal magnesium sulphate for neuroprotection (5)

4. Q4
   a. Approach to a child with bilious vomiting (5)
   b. Plan of management of a fetus having bilateral pelvicalyceal dilatation on antenatal ultra sound of mother. (5)

5. Q5
   a. Draw the algorithm for screening of term babies for congenital cyanotic heart disease (Diagram only) (5)
   b. Transcutaneous bilirubinometry – uses and pitfalls in neonatology (5)
6. Q6
   a. Approach to a child with sudden deterioration on ventilator (5)
   b. Compare CPAP vs HFNC in Neonatal respiratory care (5)

7. Q7
   a. A district hospital has an annual delivery rate of 8000. Describe the setting up of a special care newborn unit at this facility (5)
   b. Discuss antibiotic stewardship and its implementation in neonatal practice. (5)
   c. Discuss role of amplitude integrated EEG in Neonatal care. (5)
   d. Outline the approach to diagnosis and line of management of Persistent Pulmonary Hypertension (5)
   e. Components of care during followup of ELBW babies. (5)
   f. Current diagnostic criteria for classical NEC and how to differentiate from NEC like mimicking diseases. (5)
   g. Write about blood component therapy in newborn practice. (5)
   h. List various lung protective strategies (5)