



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. Extrauterine 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)