

IAP Neonatology Chapter

IAP Neonatology Fellowship Exam August 2018

Theory Paper 1

Time – 3 hours

Total Marks – 100

Attempt all questions

1. Write short notes on following aspects of Necrotizing enterocolitis (20)
 - a. Probiotics in NEC prevention - current status and controversies (3)
 - b. Necrotizing enterocolitis in term babies (3)
 - c. Discuss the role of radiology in diagnosis and management of NEC (6)
 - d. Transfusion associated NEC (3)
 - e. Neurodevelopmental outcome of NEC in preterm infants (3)
 - f. What is standard feeding regimen and what is its value (2)

- Write short notes on following aspects of Bronchopulmonary dysplasia (20)
 - a. Give the table for Diagnostic criteria according to NICHD consensus (3)
 - b. Role of nutrition in management of BPD (4)
 - c. Steroids for management of BPD (4)
 - d. Long term complications and outcomes of BPD (5)
 - e. Role of vitamin A in prevention of BPD (4)

3. Write short notes on (10)
 - a. Core components of Developmentally Supportive Care (DSC) in NICUs (2)
 - b. Red reflex examination in NICU (3)
 - c. Enumerate the different pain scores being used for evaluation of pain in neonates and measures to reduce pain in NICU (5)

4. Best practices in NICU - write your recommendations (10)
 - a. Measures to reduce hospital acquired infections in NICU (5)
 - b. Measures to improve breast milk usage in NICU (5)

5. Write short notes on (10)
 - a. Short term complications of infant of diabetic mothers (5)
 - b. Screening strategies for screening and management of congenital hypothyroidism (5)

MCQ

Attempt all questions. Total Marks =30 (15X2)

1. A term 3 kg newborn is being ventilated and treated for RDS. X ray showed almost complete whiteout. Write 2 other disease which could mimic RDS.

2. Name the enzyme involved in Crigler Najjar Syndrome Type 1.

3. Which is the commonest cardiac manifestation in Infant of Diabetic mother ?

4. What is the dose of L Thyroxine in Neonatal Hypothyroidism?

5. Name 2 drugs which can be given to pregnant lady in preterm labor to improve neonatal outcome.

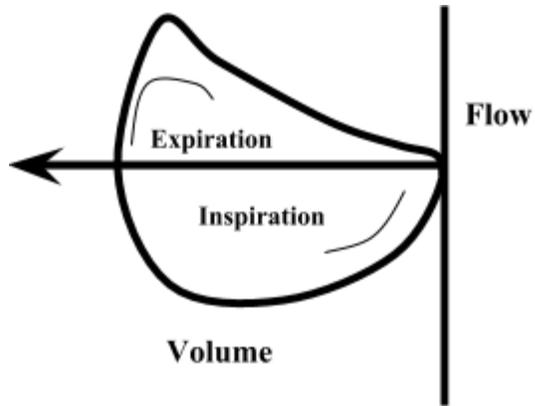
6. Baby born to mother with SLE is at risk of which cardiac condition?

7. Name the first line drug for management of Persistent Hyperinsulinemic Hypoglycemia.

8. What should be the minimum Irradiance in Intensive Phototherapy ?

9. Name the microdeletion in Di George Syndrome.

10. Identify the problem in the Flow volume loop given below



11. Maternal quadruple test does not include which of the following

- a. Alpha fetoprotein
- b. Inhibin A
- c. Unconjugated Pregnenolone
- d. B HCG
- e. Unconjugated Oestradiol

12. Blue berry muffin rash in intrauterine infection represent dermal _____

13. Name the 5 stages of lung development (marks allotted if all 5 stages are mentioned)

14. The current neonatal mortality rate in India is _____ per 1000 live births

15. Ultrasound should be done in Sacral dimple if the distance between the dimple and anal verge is more than _____ cm.