

NATIONAL NEONATOLOGY FORUM

NNF FELLOWSHIP EXAMINATION THEORY PAPER -1

22nd JULY 2021

Max marks

100

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully.
- 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.

1. You are evaluating a preterm infant with persistent hypoglycemia. (4+3+3)

- a) Write algorithm to evaluate persistent hypoglycemia?
- b) Enumerate the differential diagnosis.
- c) Write the Management of persistent hypoglycemia.

2. A 26-week gestation baby required invasive ventilation and surfactant at admission. Now the baby is 37 weeks and still requiring CPAP support with 25% Fio₂, PEEP 5. (4+1+5)

- a) Write NICHD BPD definition with grades.
- b) What is the grade of BPD in this baby?
- c) Mention evidence-based BPD preventive strategies.

3. 13-day old FT, 3.1 kg baby presented with refusal to feed, fever, lethargy, and generalized clonic seizures. Perinatal period was uneventful. There are few vesicular lesions over scalp and eyes are sticky. (3+3+4)

- a) What is the likely diagnosis and how do you confirm it?
- b) What are typical manifestations of this illness?
- c) What is the treatment?

4. Discuss in detail about the prenatal tests that are done for diagnosis of aneuploidy

in fetus. (10)

5. a) Write the recent recommendations of PRBC transfusion in a preterm infant (5+5)

b) Enumerate QI practices to optimize transfusion need.

6. a) Define Perinatal SARS CoV-2 infection. (2+3+5)

b) Why newborns are less prone to SARS CoV-2 infection?

c) Describe various practices to prevent perinatal transmission.

7. a) Enumerate causes of AKI in neonatal period. (5+5)

b) Write postnatal algorithm to evaluate antenatal diagnosed dilatation of renal collecting system.

8. Write short note on: (5+5)

a) MAA (MOTHER'S ABSOLUTE AFFECTION)

b) DEIC (DISTRICT EARLY INTERVENTION CENTRE)

9. Write short note on: (5+5)

a) Forest plot

b) ROC curve

10. a) Enlist the requirements for setting up a Human milk bank. (5+5)

b) Describe effects of pasteurization on human milk.