

**NATIONAL NEONATOLOGY FORUM
NNF FELLOWSHIP EXAMINATION
APRIL 2022**

THEORY PAPER -1

Max marks 100

- Attempt all questions in order.
- Each question carries 10 marks.
- Answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page.

1. a) What are the stages of lactogenesis ? (3+3+4)
b) What are the causes of lactation failure ?
c) Enumerate the steps to improve breastfeeding.

2. a) Pulse oximetry screening for Congenital Heart Disease (4+3+3)
b) Screening for developmental dysplasia of hip
c) Red reflex

3. a) Enumerate the benefits of delayed cord clamping (5+5)
b) What are the current recommendations for term & preterm infants?

4. a) What are the diagnostic criteria for MISC – N? (5+5)
b) Describe the management

5. Discuss in detail first and second trimester prenatal tests that are done for (10)
diagnosis of aneuploidy in fetus.

6. a) What is the mechanism of bilirubin induced neurological dysfunction (BIND) (3+4+3)
b) Describe the clinical syndrome
c) Describe the MRI findings
7. a) Enumerate the role of Point of care Ultrasound in Neonatology (5+5)
b) Write the parameters of hemodynamic significant PDA
8. a) Mention the phases of fetal lung development (5+5)
b) Role of antenatal steroids in a late preterm delivery
9. Elaborate briefly on the terms given below (4+3+3)
a) Forest Plot
b) Bias
c) PICO
10. A 32 weeks preterm baby was discharged at 1.64 kg, at a corrected age of 34 weeks. (5+5)
Baby was 1.4kg at 2 weeks after discharge.
a) Enumerate the causes of post natal growth failure.
b) Explain the management.