1. What is Human milk banking. Briefly write expression, handling and storage of human milk in neonatal nursery. (2+4)

2. Discuss the biomedical waste segregation guidelines in India. As a Nurse Incharge of NICU what are the important components of housekeeping you shall monitor. (3+3)

3. A 29 week, 1.1 kg baby is receiving bubble CPAP on day 2 of life. Discuss the nursing care components of this baby.

4. Enumerate: (2x3=6)
   A. Special requirements of preterms during resuscitation at birth.
   B. Different grades of hypothermia
   C. Sequence of initial Steps of resuscitation

5. What is the expected normal weight loss in immediate postnatal period in following:
   Full term appropriate for gestational age babies
   Full term intrauterine growth retarded babies
   Preterm-AGA babies (1x3=3)

6. Write very briefly:
   A. Potential benefits of topical oil applications to growing preterm in NICU.
   B. Preparation for venepuncture
   C. Potential benefits of Kangaroo mother care to baby (2x5=10)
d. Immediate measures to be undertaken if a term 2kg baby has a Capillary Refill Time of 6 seconds. Her temperature is normal.

e. Preparations before ophthalmic evaluation for ROP

7. What are the normal biochemical values (range) of following parameters in a newborn: (4 marks)

   i. Serum Calcium (mg/dl)
   ii. Arterial pH
   iii. Serum potassium (mEq/L)
   iv. Serum Sodium (mEq/L)

8. a. Define Respiratory distress in neonate and enumerate 5 causes of respiratory distress in early neonatal period.

   b. Name the various low flow & high flow modes of delivery of oxygen to a baby.

9. A 1350 g, 30 week gestational age baby needs referral to another well equipped center, write what are the standard guidelines to be followed before & during transport. 5