

## Theory Question paper1 (Total Marks 100)

- Attempt answers for each question on a separate page
- All questions are compulsory
- Marks allotted for each question is given in bracket

- Q. 1) a. Define VILI and describe its pathogenesis briefly ? [5]  
b. Describe lung protective ventilation strategies. [10]
- Q 2) a. Pulse oximetry screening in newborn [5]  
b. Outline the management strategy for a hemodynamically significant PDA. [10]
- Q 3) Write short notes on any three (5 marks each) :  
a. Neuro-protective strategies for preterm brain  
c. Indian Neonatal Action Plan (INAP)  
d. Neonatal component of National Rural Health Mission (NRHM)  
e. Sensitivity and Specificity
- Q 4) a. Discuss the risk factors for retinopathy of prematurity (5)  
b. What are the stages of ROP? (5)  
c. Describe briefly treatment options for ROP (5)
- Q 5) Write short notes on any four (5 marks each) :  
a. Definition of Hypoglycemia  
b. Long term adverse effects of hypoglycemia on the newborn brain.  
c. How is preterm breast milk different from term breast milk?  
d. BIND score  
e. Prevention of Nosocomial infections in NICU
- Q 6) Write in one to two words (2 marks each, Total 20 Marks):  
I. What percentage of oxygen is recommended for resuscitation of a preterm newborn with gestational age 35 weeks?  
II. What is the drug of choice for PPHN with a left to right shunt at the PFO and right to left shunt at the ductus?  
III. Which is the WHO 4th moment of hand hygiene?  
IV. Bronchogenic cysts results from aberrant development at \_\_\_\_\_stage of lung development.  
V. The type of neonatal seizure that is NOT usually associated with EEG changes is  
VI. C20 / C is a measure of  
VII. A study is designed to assess the incidence of hypothermia among low birth weight infants. The inclusion criteria is newborns admitted to postnatal wards and NICU of a tertiary hospital. What is the type of bias involved  
VIII. Quality improvement includes multiple \_\_\_\_\_cycles.  
IX. Intensive phototherapy provides irradiance of  

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X. Fetal origin of adult diseases is also known as \_\_\_\_\_