

IAP Neonatology Chapter Fellowship Examination

February 2016, Theory Paper 1

(Marks 70 + MCQ (30) =100)

- Attempt answers for each question on a separate page.
 - All questions are compulsory.
 - All questions carry equal marks.
1. a) What is acute kidney injury? (2)
b) How do you differentiate pre-renal from renal injury? (3)
c) How do you manage acute kidney injury? (5)
 2. a) What nutrient supplements (dose and schedule) are recommended for preterm babies on exclusive breast milk feeding? (5)
b) How to diagnose and treat osteopenia of prematurity? (3+ 2)
 3. a) What are the modalities of non-invasive ventilation? (3)
b) What are complications of CPAP? (3)
c) How can you minimize these complications? (4)
 4. What are antenatal diagnostic markers for Trisomy 21? What routine evaluation must be carried out in early neonatal period in such babies? What health routines are important in the first year for Down's baby in addition to routine health care? (2+3+5)
 5. What is intensive phototherapy? What are the advantages and disadvantages of various phototherapy devices? How do you ensure efficacy of phototherapy units (2+6+2)
 6. a) Provide definition for antimicrobial stewardship as it applies to NICU. (2)
b) Discuss the pitfalls of antimicrobial use in the NICU and the implications of misuse/overuse (3).
c) Outline best practices associated with reduced rates of catheter-related bloodstream infection. (5)
 7. Short notes on: (5 +5)
a) Approach to infant with suspected disorder of sexual development (algorithm only)
b) Treatment of congenital syphilis.

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