

PAPER CODE:PA001

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
POST DOCTORAL FELLOWSHIP EXAMINATIONS: DECEMBER 2025
PEDIATRIC ANESTHESIA
(PAPER–I)

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions with neat diagrams whenever necessary
All question carry equal marks.

Write essay on the following:

10 X 10 = 100

1. What are normal vital signs for a newborn, 6-month-old, 1 year old, and 6-year-old. Why are these differences relevant.
2. What are the anatomical differences in a neonatal airway compared to a paediatric patient and adult.
3. Discuss the anaesthetic concerns in non-operating room anaesthesia and management options.
4. What is the difference between a maintenance fluid and replacement fluid. Which situation is each one used. What are the complications that can occur with inappropriate choice of IV fluid.
5. What is laryngospasm. What are the factors predisposing to laryngospasm. Describe how you would prevent laryngospasm in a patient undergoing tonsillectomy. What is the management of laryngospasm.
6. What are the anaesthetic concerns in a 3-year-old boy with Crouzon syndrome and craniosynostosis coming for cranioplasty.
7. What are the applications of POCUS in the paediatric airway.
8. What are the indications for CPR in a paediatric patient. What is the algorithm for paediatric cardiopulmonary resuscitation.
9. What are the factors which determine oxygen delivery in a patient. How do they interact with one another.
10. A 5-year-old boy with TOP is presented for craniotomy for a brain abscess. Discuss the pathophysiology and anaesthetic management.
